

GEON POLYMAX® THERMOPLASTIC ELASTOMERS

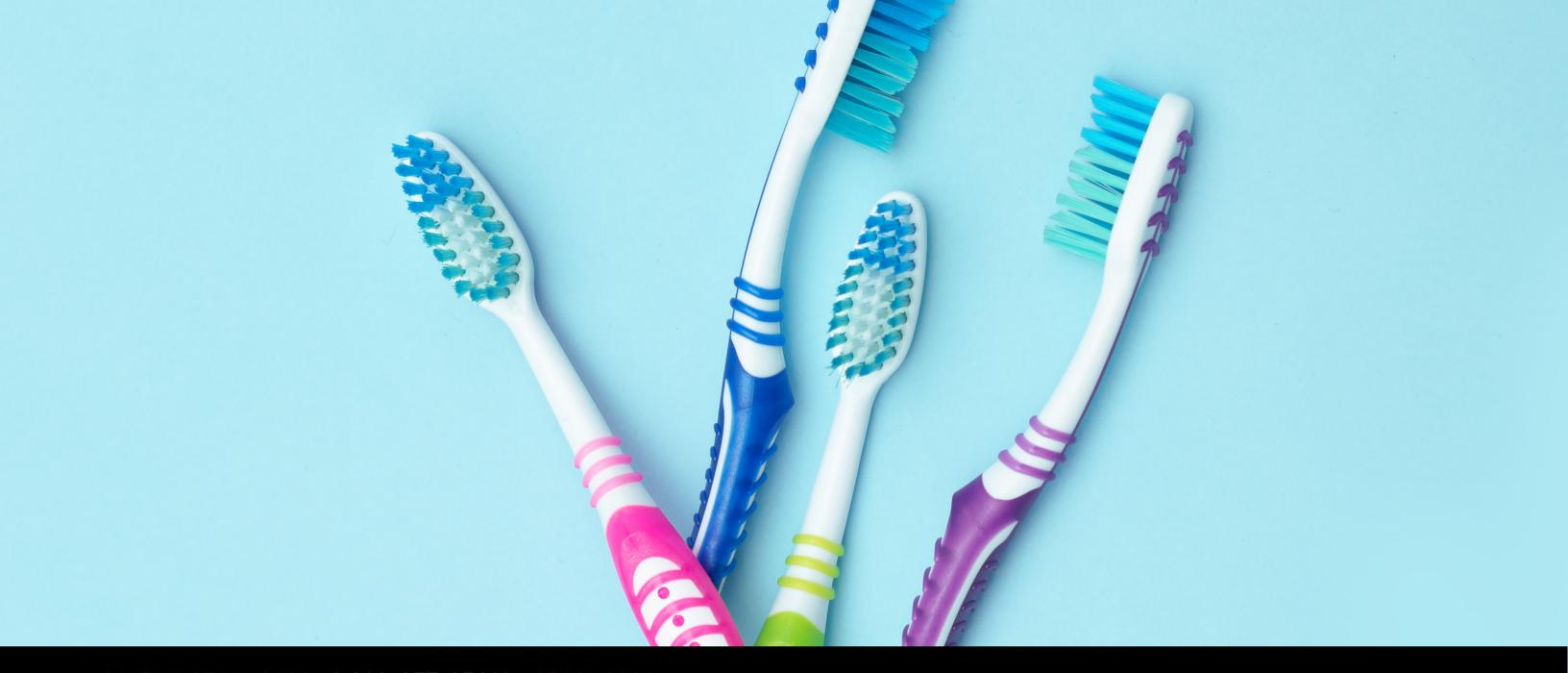


Series	Product	Series Highlights	НА	Density	Filler	Clarity	Flowability **	Processing	Bond to	Typical Application	Application Examples	Technical Feature	Market	Market Segment
	A9810		10 A	1.00	low	opaque	28	Injection	PC, ABS	Personal Care Grips, soft overmold	Grips, Soft Overmold	Very soft overmold TPE		
	A9735C	good abrasion resistance;	30 A	0.93	none	clear	14	Injection	PC, ABS	Personal Care Grips, soft overmold	Dog Toy, Seals for consumables, Soft Overmold	Clear overmold TPE, high elasticity		
	A9840 A01-386	PC/ABS Overmold;	40 A	1.04	low	opaque	61	Injection	PC, ABS	Personal Care Grips, soft overmold	Grips, Toothbrush Handles, Soft Overmold	Soft overmold TPE		Appliance, Furniture, Toy/Sporting Goods,
	A01-386 A9950C	clear grades available;	45 A 50 A	0.94	medium none	opaque clear	55 85	Injection Injection	PC, ABS PC, ABS	Personal Care, Houseware, Tool Grips Personal Care, Houseware, Tool Grips	Houseware, Grips, Toothbrush Handles Houseware, Grips	Clear overmold TPE	Consumer, Industrial	PowerTool - Indoor (not weathering), Personal Care, Manufacturing Equipment
Α	A9860M	UV/Outdoor grades available;	60 A	1.11	low	opaque	116	Injection	PC, ABS	Personal Care, Houseware, Tool Grips	Medical Device, Cell Phone Case, Grips, Tool Handles			
	A9960C	Chemical resistance grades available*;	60 A	0.93	none	clear	94	Injection	PC, ABS	Personal Care, Houseware, Tool Grips	Houseware, Grips	Medium hardness overmold TPE		
	A9880H	Food and Medical grades available*;	80 A	1.10	low	opaque	134	Injection, Extrusion	PC, ABS	Houseware, Power Tool Grips	Houseware, Grips, High Abrasion Resistance	Good abrasion resistant		
	A04-504-1B		70 A	1.13	medium	opaque	151	Injection, Extrusion	PVC, ABS, PC	Extruded Seals, Overmolded Grips	PVC overmold for seals, strippers		Consumer, Industrial, Building & Infrastructure	Interior/Exterior Building Materials
	C4905-2A	Ultra-Transparent;	5 A	0.82	none	clear	22	Injection	PP	Orthotics, Insoles, Pads, Gaskets	Yoga Toe, Adult Toy, Orthotics, Insoles, Pads, Gaskets, Seals	Ultra-soft TPE, clear	•	
	C4920 C4930	Easy to process;	20 A 30 A	0.86	none	clear	32 22	Injection Injection	PP PP	Orthotics, Insoles, Pads, Gaskets Personal care, Housewares, Medical Device		Very Soft TPE, clear		
	C01-265F	Good Elasticity and Resilience;	40 A	0.88	none	clear	35	Injection	PP	Personal care, Housewares, Medical Device	Housewares, Medical Devices			Appliance, Furniture, Toy/Sporting Goods,
	C4850	Various haptics(dry vs sticky); Chemical resistance grades	50 A	0.9	none	clear	36	Injection	PP	Personal care, Housewares, Medical Device	Housewares, Medical Devices, Grips	Medium hardness clear TPE	Consumer, Industrial	Personal Care, Medical, Packaging and Containers, Industrial Hose and Tube
	C4960	available*;	60 A	0.89	none	clear	123	Injection, Extrusion	PP	Personal care, Housewares, Medical Device	Baby Bottle Nipple, Housewares, Medical Devices, Grips	Medium nardness clear i PE		containers, industrial nose and i ube
	C4970	Food and Medical grades available*;	70 A	0.89	none	clear	61	Injection	PP	Personal care, Housewares, Medical Device	Housewares, Medical Devices, Grips			
	C4880		80 A	0.89	none	clear	38	Injection	PP	Personal care, Housewares, Medical Device	Florita Book Havening	High hardness clear TPE		
	D01-243C D01-226		15 A 20 A	1.08	medium	translucent opaque	29 41	Extrusion Extrusion	PP PP	Personal care, Housewares, Medical Device Personal care, Housewares, Medical Device	Elastic Band, Housewares Housewares, Grips	Very soft TPE, good e lasticity/resilience Very soft TPE, extrusion capable	Consumer, Industrial,	
	D05-011-4		30 A	0.88	none	translucent	60	Extrusion	PP	Elastic tags/bands, medical	Elastic Tags/Bands, Medical Device	Soft TPE, good elasticity/resilience	Building & Infrastructure Consumer, Industrial, Trans, Building & Infrastructure	_
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	D6935	General Purpose Extrusion Grade;	35 A	0.88	none	translucent	78	Extrusion	PP	Extrusion seals, Elastic tags	Seals, Weather Strips, Elastic Tags	Soft TPE		
	001-221	Good Heat Resistance;	40 A	0.89	none	translucent	65	Extrusion	PP	Gear Tie Jacket	Seals, Weather Strips, W&C Jackets	Ulab abandan anakana	Consumer, Industrial, Building & Infrastructure	
1	D01-265F	UV/Outdoor grades available;	45 A	0.96	low	Opaque	67	Extrusion	PP	Conveyor Roller Sleeve, tubing	Roller Sleeve, W&C Jackets	High abrasion resistant		Window/Door, Fence/Deck/Rail, Interior,
D	D6945	Chemical resistance grades available*;	45 A	0.89	none	translucent	89	Extrusion	PP	Extrusion seals, Elastic tags/bands	Seals, Weather Strips, W&CJackets	Soft TPE	Consumer, Industrial, Trans, Building & Infrastructure	Appliance, Furniture, Pool & Spa, Packaging and Containers, Agriculture, Industrial Hose and Tube
	D05-033-6A D01-172G-1AH	Food and Medical grades available*;	50 A 60 A	1.02 0.95	medium low	Opaque Opaque	155 437	Extrusion Extrusion	PP PP	Tourniquet , Exercise Bands, tubing Disposable Glove	Tourniquet , Exercise Bands Films, Disposable Gloves	Tourniquet grade, good resilience Good elasticity/resilience, film cast grade	Consumer, Industrial,	
	D6960B		60 A	0.98	low	Opaque	83	Extrusion	PP	Extrusion seals, tubing/hose		Medium hardness	Building & Infrastructure	
	D01-238D D01-216		70 A 75 A	0.88 1.02	none medium	translucent	160 90	Extrusion Extrusion	PP PP	Extrusion seals, tubing/hose	Seals, Weather Strips, W&C Jackets, Tubing, Hoses -	Good heat resistant, low compression set	Consumer to destroy	•
	D01-216		80 A	0.90	none	opaque translucent		Extrusion, Blow Molding	PP	Extrusion seals, tubing/hose Extrusion seals, blow molded be llows	Seals, Blow Molded Bellows	Good heat resistant	Consumer, Industrial, Transportation, Building &	
	D6990		90 A	0.9	none	translucent		Extrusion, Blow Molding	PP	Extrusion seals, blow molded be lows	Sliding Guide	High hardness	Infrastructure	
	D01-007-1M		99A/61D	0.89	none	translucent		Extrusion, Blow Molding	PP	Extrusion seals (rigid part)	Sliding Guide, Extrusion Seals (rigid part)	Very high hardness		
	F7860	Flame Retardant grade;	60 A	1.12	n/a	opaque	122	Injection, Extrusion	PP	Grips, cable Jacket (soft)		UL94 V-0;		Low Voltage, Mid-High Voltage, Fiber Optical, EV -Infrastructure, Appliance, EV, Industrial Hose and Tube
	F02-137B	Low smoke grade available;	75 A	1.11	n/a	opaque	198	Injection, Extrusion	PP	Grips, cable Jacket , charging cords	W&C Jackets, Charging Cords	UL94 V-0; Halogen Free; Low Smoke	Consumer, P&C	
	F7880 F02-129E-1C	Halogen Free grade available;	80 A 95 A	1.16 1.17	n/a n/a	opaque	106 236	Injection, Extrusion Injection, Extrusion	PP PP	Cable Jacket, charging cords Cable Jacket, charging cords		UL94 V-0; UL94 V-0; Halogen Free; Low Smoke		
	N03-009		50 A	1.09	medium	opaque	75	Injection	Nylon	Power Tool Grips	Nylon OM for Handles and Grips	Nylon bonding	Consumer, Industrial	Appliance, Toy/Sporting Goods, Power Tool - Indoor (not weathering), Outdoor Power Equipment & Recreation,
N	N03-011	bond to Nylon;	60 A	1.10	medium	opaque	70	Injection	Nylon	Power Tool Grips				
	P3915T		15 A	0.87	none	translucent	28	Injection	PP	Personal care, Housewares, Medical Device	Adult Toy, Seals	Very soft, good clarity		
	P3816-1		20 A	0.98	low	opaque	29	Injection	PP	Personal care, Housewares, Medical Device	Baby Bottle Nipple	Very soft TPE		
	P3925T		25 A	0.86	none	translucent	33	Injection	PP	Personal care, Housewares, Medical Device	Teething Egg Toy, Consumables	Good clarity/translucency		
	P31-247A-8 P3830		30 A 30 A	1.16 0.98	low	opaque opaque	34 58	Injection Injection	PP PP	Personal care, Housewares, Medical Device	Push Button, Grips, Tool Handles Personal care, Housewares, Medical Device	High flow, easy to process, economic		
	P31-468-A		33 A	1.05	medium	opaque	38	Injection	PP, LDPE	Personal care, Housewares, Medical Device	Grips, Toothbrush Handles, Floss Pick Spikes			
	P3740		40 A	1.17	high	opaque	36	Injection	PP	Personal care, Housewares, Medical Device	General Purpose Consumables	0.0705		
	P3935T		40 A	0.88	none	translucent	71	Injection	PP	Personal care, Housewares, Medical Device		Soft TPE, grippy		
	P3838	General Purpose Injection Grade;	42 A	0.95	low	opaque	56	Injection	PP	Personal care, Housewares, Medical Device				
	P31-466-A	Good Heat Resistance;	45 A	1.04	medium	opaque	36	Injection	PP PP	Personal care, Housewares, Medical Device	Housewares, Medical Devices			Fitting, Window/Door, Interior, Exterior,
	P31-360D-1M P3750	UV/Outdoor grades available; Chemical resistance grades	50 A	0.95 1.17	low high	opaque	29 46	Injection Injection	PP	Personal care, Housewares, Medical Device Personal care, Housewares, Medical Device		Medium HardnessTPE, opaque, grippy	Consumer, Industrial,	Appliance, Furniture, Toy/Sporting Goods, PowerTool - Indoor (not weathering), Outdoor Power Equipment & Recreation,
	P3855		55 A	0.96	low	opaque	44	Injection	PP	Personal care, Housewares, Medical Device				
	P31-493G-4V	available*; Food and Medical grades available*;	60 A	1.1	high	opaque	44	Injection	PP, PS	Personal care, Housewares, Medical Device		High flow, easy to process, bond to PS/HIPS	Transportation, Building & Infrastructure	Personal Care, Clothing & Footware,
	P3860	. 223 and incarcal groups available.	60 A	0.96	low	opaque	44	Injection	PP	Personal Care, Tool Grips, Housewares	Grips, Toothbrush Handles		ascructure	Medical, Pool & Spa, Packaging and
	P3960T		60 A	0.88	none	translucent	46	Injection	PP DD DE	Personal Care, Tool Grips, Housewares		Good clarity		Containers, Agriculture, Industrial Hose
	P31-491Q-4H P31-392SN		63 A 65 A	1.16 0.90	high none	opaque translucent	40 331	Injection Extrusion	PP, PE PP	Personal Care, Housewares Extrusion seals	Extrusion Seals	High flow, easy to process, economic Good heat resistant, low compression set		and Tube, Food Processing
	P3770		70 A	1.18	high	opaque	47	Injection	PP	Personal Care, Housewares	General Purpose Consumables, Cloth Hanger Parts	assa insert contain, non compression set		
	P3870		70 A	0.96	low	opaque	49	Injection	PP	Personal Care, Housewares	, and the second			
	P31-437C		75 A	1.03	medium	opaque	38	Injection	PP	Personal care, Housewares, Medical Device	General Purpose Consumables	High flow, easy to process		
			80 A	1.16	high	opaque	52	Injection	PP	Personal care, Housewares, Medical Device				
	P3780				low	opaque	50	Injection	PP PP	Personal care, Housewares, Medical Device	Bottle Dispenser Parts			
	P3877		80 A	0.94			40		PP	Personal care, Housewares, Medical Device	Housewares, Medical Devices Castor Wheels, Hose/Cable Jackets	0		
	P3877 P3790		90 A	1.11	high	opaque	48 75	Injection Injection Extrusion	PP	Castor Wheel Hose/Cable lacket		Good heat and aprasion resistant		
	P3877 P3790 P3990H		90 A 90A/39D		high none	opaque translucent	48 75 62	Injection, Extrusion	PP PP	Castor Wheel, Hose/Cable Jacket Knee Pad		Good heat and abrasion resistant Good abrasion resistant		
	P3877 P3790		90 A	1.11 0.9	high	opaque	75			Castor Wheel, Hose/Cable Jacket Knee Pad Personal Care	Knee Pads			Window/Door Appliance PawerTeel
·	P3877 P3790 P3990H P31-436	bond to PS/HIPS;	90 A 90A/39D 95A/40D	1.11 0.9 0.98	high none low	opaque translucent opaque	75 62	Injection, Extrusion Injection	PP	Knee Pad			Consumer, Industrial	Window/Door, Appliance, PowerTool - Indoor (not weathering), Personal Care
S	P3877 P3790 P3990H P31-436 S4730		90 A 90A/39D 95A/40D 30 A	1.11 0.9 0.98 1.07	high none low medium none	opaque translucent opaque opaque	75 62 63	Injection, Extrusion Injection Injection	PP HIPS, GPPS	Knee Pad Personal Care	Knee Pads	Good abrasion resistant	Consumer, Industrial	Indoor (not weathering), Personal Care
S	P3877 P3790 P3990H P31-436 S4730 S01-021A-1J	bond to PS/HIPS;	90 A 90A/39D 95A/40D 30 A 60 A	1.11 0.9 0.98 1.07 0.91	high none low medium none	opaque translucent opaque opaque opaque	75 62 63 38	Injection, Extrusion Injection Injection Injection	PP HIPS, GPPS HIPS, GPPS	Knee Pad Personal Care Floor Tile, Personal Care	Knee Pads Floor Tiles Grips, Toothbrush Handles	Good abrasion resistant Good heat resistant, low compression set	Consumer, Industrial	Indoor (not weathering), Personal Care Fitting, Window/Door, Interior, Exterior,
S	P3877 P3790 P3990H P31-436 S4730 S01-021A-1J	bond to PS/HIPS; Performance Grade; Good Elasticity and Resilience; Low Compression Set;	90 A 90 A/39D 95 A/40D 30 A 60 A	1.11 0.9 0.98 1.07 0.91	high none low medium none	opaque translucent opaque opaque opaque translucent	75 62 63 38 27 147 37	Injection, Extrusion Injection Injection Injection Injection	PP HIPS, GPPS HIPS, GPPS PP PP	Knee Pad Personal Care Floor Tile, Personal Care Personal Care, Tool Grips, housewares	Knee Pads Floor Tiles	Good abrasion resistant Good heat resistant, low compression set Dry feel and grippy haptics	Consumer, Industrial	Indoor (not weathering), Personal Care Fitting, Window/Door, Interior, Exterior, Appliance, Toy/Sporting Goods, Power
S	P3877 P3790 P3990H P31-436 S4730 S01-021A-1J T01-290KD-1 T01-347J	bond to PS/HIPS; Performance Grade; Good Elasticity and Resilience; Low Compression Set; High Tensile/Tear Strength;	90 A 90A/39D 95A/40D 30 A 60 A 30 A	1.11 0.9 0.98 1.07 0.91 0.88	high none low medium none none	opaque translucent opaque opaque opaque translucent clear	75 62 63 38 27	Injection, Extrusion Injection Injection Injection Injection Injection	PP HIPS, GPPS HIPS, GPPS PP	Knee Pad Personal Care Floor Tile, Personal Care Personal Care, Tool Grips, housewares Dog Toys, Play toys	Knee Pads Floor Tiles Grips, Toothbrush Handles	Good abrasion resistant Good heat resistant, low compression set Dry feel and grippy haptics	Consumer, Industrial	Indoor (not weathering), Personal Care Fitting, Window/Door, Interior, Exterior,
S	P3877 P3790 P3990H P31-436 S4730 S01-021A-1J T01-290KD-1 T01-347J T01-017A-1Y T01-296A T01-296K	bond to PS/HIPS; Performance Grade; Good Elasticity and Resilience; Low Compression Set;	90 A 90A/39D 95A/40D 30 A 60 A 30 A 35 A 45 A	1.11 0.9 0.98 1.07 0.91 0.88 0.88 0.87	high none low medium none none	opaque translucent opaque opaque opaque translucent clear clear	75 62 63 38 27 147 37	Injection, Extrusion Injection Injection Injection Injection Injection Injection Injection Injection	PP HIPS, GPPS HIPS, GPPS PP PP	Knee Pad Personal Care Floor Tile, Personal Care Personal Care, Tool Grips, housewares Dog Toys, Play toys Dog Toys, Play toys	Floor Tiles Grips, Toothbrush Handles Dog Toys, Seals, Teething Toys	Good abrasion resistant Good heat resistant, low compression set Dry feel and grippy haptics	Consumer, Industrial Consumer, Industrial, Transportation, Building &	Indoor (not weathering), Personal Care Fitting, Window/Door, Interior, Exterior, Appliance, Toy/Sporting Goods, Power Tool - Indoor (not weathering), Outdoor

^{*} More details are available upon request, including the test report, regulatory statement and COC, etc.

** Flowability (viscosity) is in the reverse proportional to MFI. In other word, the higher the viscosity is, the lower its MFI is.

*** Box weight either 1250 or 1500 lbs



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