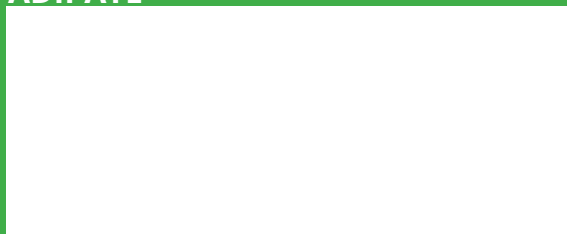




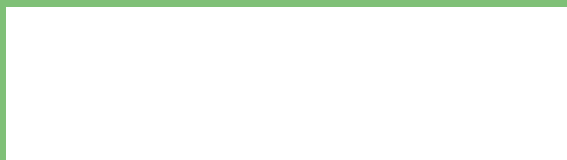
SynPlast™ & reFlex™ Plasticizers

SynPlast™ & reFlex™ Selection Guide

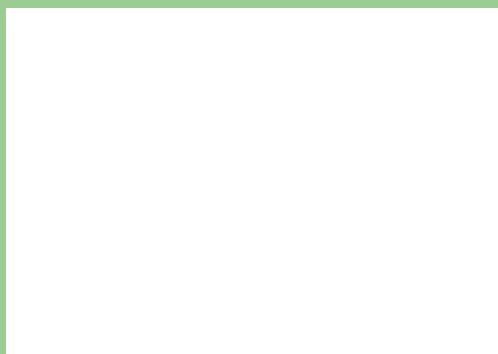
ADIPATE



PHTHALATE



TRIMELLITATE



Chemistry	Branched or Linear	Electrical (E) or Normal (N) Grade Availability*	Max Color (Pt/Co)
SynPlast™ Adipate Plasticizers			
DOA	Branched	N	25
DINA	Branched	Both	25
DIDA	Branched	E	25
SynPlast™ Phthalate Plasticizers			
DOP	Branched	N	20
9P	Linear	N	25
911XP	Mixed	N	35
901P	Linear	N	50
DUP	Linear	Both	50
SynPlast™ Sebacate Plasticizers			
DOS	Branched	N	50
DIDS	Branched	N	50
SynPlast™ Trimellitate Plasticizers			
TOTM	Branched	Both	100
NOTM	Linear	E	100
TINTM	Branched	E	100
L9TM	Linear	Both	100
810TM	Linear	E	100
reFlex™ Bio-based Plasticizers			
100	Branched	N	100

* Normal does not contain added anti-oxidant; Electrical contains 0.10-0.15 wt% anti-oxidant (1,1,3-tris[2-methyl-4-hydroxy-5-t-butyl phenyl] butane)

Max Acid Value (mg KOH/g)	Max. Water Content (ppm)	Molecular Weight	Typical Specific Gravity @ 25°C	Functional Upper Temp Limit (°C)	Low Temp Utility	Non-Phthalate	Low Volatility	UV Resistance
0.07	500	371	0.9240	60	✓	✓		
0.07	1000	399	0.9200	75	✓	✓		
0.10	1000	427	0.9180	75	✓	✓		
0.07	1000	391	0.9830	60				
0.10	1000	420	0.9670	80	✓			✓
0.10	1000	424	0.9700	80	✓			✓
0.10	1000	452	0.9580	90	✓		✓	✓
0.10	1000	475	0.9510	90	✓		✓	✓
0.10	1000	427	0.9130	75	✓	✓		
0.10	1000	483	0.9090	90	✓	✓	✓	
0.16	1000	547	0.9880	105		✓	✓	
0.16	1000	547	0.9830	105	✓	✓	✓	✓
0.16	1000	589	0.9780	105		✓	✓	
0.16	1000	589	0.9710	105	✓	✓	✓	✓
0.16	1000	592	0.9730	105	✓	✓	✓	✓
1.00	1500	316	0.9530	60	✓	✓		




EXPLORE OUR BROAD PLASTICIZER PORTFOLIO

Choosing the right combination of properties is critical when selecting a plasticizer—not only to meet specific application needs, but also to achieve the most cost-effective solution. GEON® can deliver with our broad portfolio of plasticizer solutions—here's how:

- Numerous ester chemistries are available that can deliver the best balance of performance and cost for your application
- Extensive plasticizer and vinyl formulating expertise that can help improve your product performance and total formulation cost
- Customizable solutions to help meet your unique requirements
- Manufacturing flexibility and agility for large or small volumes

SynPlast™ and reFlex™ plasticizers are produced within strict manufacturing specifications to comply with quality standards across various industries and end-use applications.



1-888-910-0536
WWW.GEON.COM

GEON®
Performance Solutions

Copyright © 2019, GEON Performance Solutions. GEON Performance Solutions makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. GEON makes no warranties or guarantees respecting suitability of either GEON's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. GEON MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.