

PolyOne Synplast™ DIDA-E Di Isodecyl Adipate

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Branched C10 adipate ester Contains 0.10-0.15 wt% 1,1,3-Tris (2-methyl-4hydroxy-5-t-butyl phenyl) butane antioxidant Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synplast-DIDA-E-Di-Isodecyl-Adipate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.913 - 0.919 g/cc @Temperature 25.0 °C	0.913 - 0.919 g/cc @Temperature 77.0 °F	ASTM D4052
Kinematic Viscosity	23.9 cSt @Temperature 25.0 °C	23.9 cSt @Temperature 77.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	14.2 cSt @Temperature 40.0 °C	14.2 cSt @Temperature 104 °F	ASTM D445
Kinematic Viscosity at 100°C (212°F)	3.6 cSt @Temperature 100 °C	3.6 cSt @Temperature 212 °F	ASTM D445
Molecular Weight	426 g/mol	426 g/mol	Theoretical
Vapor Pressure	0.0169 bar @Temperature 200 °C	12.7 torr @Temperature 392 °F	
ASTM Color	25	25	Pt-Co Scale, Maximum; ASTM D1209

Thermal Properties	Metric	English	Comments
Pour Point	-65.0 °C	-85.0 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.45 @Temperature 25.0 °C	1.45 @Temperature 77.0 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 0.35	<= 0.35	[mg KOH/g]; ASTM D1045

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	ASTM D1533

Processing Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Appearance	Clear, clean		ASTM D2090
	Clear/Transparent		
Ester Content	99%		ASTM D3465; Minimum
Forms	Liquid		
Generic Material	Di Isodecyl Adipate		
Generic Name	Di Isodecyl Adipate		
Processing Method	Compounding		
Regional Availability	Asia Pacific		
	Europe		
	North America		
	South America		
Uses	Cable Jacketing		
	Wire & Cable Applications		

Contact Songhan Plastic Technology Co.,Ltd.

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