

PolyOne Synplast™ DUP-E Di Undecyl Phthalate

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Linear C11 phthalate 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-DUP-E-Di-Undecyl-Phthalate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.943 - 0.949 g/cc	0.943 - 0.949 g/cc	ASTM D4052
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity	55 cSt	55 cSt	ASTM D445
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity at 40°C (104°F)	28 cSt	28 cSt	ASTM D445
	@Temperature 40.0 °C	@Temperature 104 °F	
Kinematic Viscosity at 100°C (212°F)	5.1 cSt	5.1 cSt	ASTM D445
	@Temperature 100 °C	@Temperature 212 °F	
Molecular Weight	474 g/mol	474 g/mol	Theoretical
Vapor Pressure	0.0203 bar	15.2 torr	
	@Temperature 200 °C	@Temperature 392 °F	
ASTM Color	50	50	Pt-Co Scale, Maximum; ASTM D1209

Thermal Properties	Metric	English	Comments
Pour Point	9.00 °C	48.2 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.48	1.48	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 0.10	<= 0.10	[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 Undecyl Phthalate		
Generic Name	Di Undecyl Phthalate		
Processing Method	Compounding		
	Plastisol		
Regional Availability	Asia Pacific		
	Europe		
	North America		
	South America		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Cable Jacketing		
	Insulation		
	Wire & Cable Applications		

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