

PolyOne Synplast™ DINP-N Di Isononyl Phthalate

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Branched C9 phthalate ester Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synplast-DINP-N-Di-Isononyl-Phthalate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.969 - 0.975 g/cc	0.969 - 0.975 g/cc	ASTM D4052
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity	58 cSt	58 cSt	ASTM D445
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity at 40°C (104°F)	27.8 cSt	27.8 cSt	ASTM D445
	@Temperature 40.0 °C	@Temperature 104 °F	
Kinematic Viscosity at 100°C (212°F)	4.6 cSt	4.6 cSt	ASTM D445
	@Temperature 100 °C	@Temperature 212 °F	
Molecular Weight	415 g/mol	415 g/mol	Theoretical
ASTM Color	25	25	Pt-Co Scale, Maximum; ASTM D1209

Thermal Properties	Metric	English	Comments
Pour Point	-49.0 °C	-56.2 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 0.070	<= 0.070	[mg KOH/g]; ASTM D1045

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

Descriptive Properties	Value	Comments
Appearance	Clear, clean	ASTM D2090

Descriptive Properties	Value Transparent	Comments
Ester Content	99%	ASTM D3465; Minimum
Features	General Purpose	
Forms	Liquid	
Generic Material	Di Isononyl Phthalate	
Generic Name	Di Isononyl Phthalate	
Processing Method	Compounding	
	Plastisol	
Regional Availability	North America	
Uses	General Purpose	
	Insulation	
	Wire & Cable Applications	

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