

PolyOne Synplast™ DOS-N Di (2-ethylhexyl) Sebacate

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Branched C8 sebacate ester Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synplast-DOS-N-Di-2-ethylhexyl-Sebacate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.908 - 0.914 g/cc	0.908 - 0.914 g/cc	ASTM D4052
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity	18.9 cSt	18.9 cSt	ASTM D445
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity at 40°C (104°F)	11.6 cSt	11.6 cSt	ASTM D445
	@Temperature 40.0 °C	@Temperature 104 °F	
Kinematic Viscosity at 100°C (212°F)	3.2 cSt	3.2 cSt	ASTM D445
	@Temperature 100 °C	@Temperature 212 °F	
Molecular Weight	427 g/mol	427 g/mol	Theoretical
Vapor Pressure	0.0440 bar	33.0 torr	
	@Temperature 200 °C	@Temperature 392 °F	
ASTM Color	50	50	Pt-Co Scale, Maximum; ASTM D1209

Thermal Properties	Metric	English	Comments
Pour Point	-63.0 °C	-81.4 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.45	1.45	
	@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

Descriptive Properties	Value	Comments
Appearance	Clear, clean	ASTM D2090
	Clear/Transparent	
Ester Content	99%	ASTM D3465; Minimum
Features	Good Processability	
	Low Temperature Resistant	
Forms	Liquid	
Generic Material	Di (2-ethylhexyl) Sebacate	
Generic Name	Di (2-ethylhexyl) Sebacate	
Processing Method	Compounding	
	Plastisol	
Regional Availability	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Adhesives	
	Appliance Components	
	Appliances	
	Cable Jacketing	
	Gaskets	
	Wire & Cable Applications	

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