

PolyOne reFlex™ 100 Plasticizer, Bio-derived

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Bio-derived, non-phthalate plasticizer; USDA BioPreferred® certified 94% biobased. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-reFlex-100-Plasticizer-Bio-derived.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.947 - 0.953 g/cc @Temperature 25.0 °C	0.947 - 0.953 g/cc @Temperature 77.0 °F	ASTM D4052
Molecular Weight	316 g/mol	316 g/mol	Theoretical, approximate
ASTM Color	<= 50	<= 50	Pt-Co Scale; ASTM D1209

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 1.0	<= 1.0	[mg KOH/g]; ASTM D1045

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.15 %	<= 0.15 %	ASTM E1064

Descriptive Properties	Value	Comments
Agency Ratings	USDA Certified Biobased Product	
Appearance	Clear, clean	ASTM D2090
	Clear/Transparent	
Features	Fast Fusion	
	Fast Gel	
	High Solvating	
	Non-Phthalate Plasticizer	
	Renewable Resource Content	
Forms	Liquid	
Generic Material	Plasticizer, Bio-derived	
Generic Name	Plasticizer, Bio-derived	
Hydroxyl Value	< 20.0 mg KOH/g	AOCS Tx 1a-66

Descriptive Properties	Value	Comments
Processing Method	Compounding	
	Hot Melt	
	Plastisol	
Regional Availability	North America	
Uses	Carpet Backing	
	Consumer Applications	
	Fabric Coatings	
	Flooring	
	Foam	
	Printing Ink	
	Sealants	
	Sporting Goods	
	Toys	

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