

Evonik Corporation Polyoil 110 Polybutadiene

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Polyoil 110 is a nonpolar stereospecific, low viscosity, unsaponifiable liquid polybutadiene soluble in aliphatics, aromatics, and ethers. General uses include adhesives, sealants, anticorrosion paints, impregnation of cylinder head gaskets, impregnation of mineral substrates, resin modifications and rubber mixtures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Polyoil-110-Polybutadiene.php

Physical Properties	Metric	English	Comments
Density	0.900 - 0.920 g/cc	0.0325 - 0.0332 lb/in ³	DIN 51 757
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Iodine Absorption Number	420 - 480	420 - 480	g of Iod/ 100g; DIN 53 241
Viscosity	700 - 860 cP	700 - 860 cP	DIN EN ISO 3219
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Molecular Weight	1800 g/mol	1800 g/mol	Vapor Pressure Osmometry
	2200 g/mol	2200 g/mol	GPC

Thermal Properties	Metric	English	Comments
Pour Point	-55.0 °C	-67.0 °F	DIN ISO 3016
Flash Point	180 °C	356 °F	DIN EN ISO 2719

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 1.0	<= 1.0	DIN ISO 4630

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 0.30	<= 0.30	DIN EN ISO 2114

Descriptive Properties	Value	Comments
Ignition Temperature (°C)	360	DIN 51 794
Peroxide Number (mval/kg)	<10	

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