

Evonik Corporation Polyoil 130 Polybutadiene

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

Material Notes:

Polyoil 130 is a nonpolar stereospecific, low viscosity, unsaponifiable liquid polybutadiene with a higher molecular weight than Polyoil 110. General uses include a plasticizer in rubber compounds, mold release agent for PUR foams, modification of resins, improvement in the air drying properties of vegetable oils, sole binder for single-layer surface coatings for interior use, and a binder for recycled rubber compounds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Polyoil-130-Polybutadiene.php

Physical Properties	Metric	English	Comments
Density	0.900 - 0.920 g/cc @Temperature 20.0 °C	0.0325 - 0.0332 lb/in ³ @Temperature 68.0 °F	DIN 51 757
Iodine Absorption Number	420 - 480	420 - 480	g of Iod/ 100g; DIN 53 241
Viscosity	2700 - 3300 cP @Temperature 20.0 °C	2700 - 3300 cP @Temperature 68.0 °F	DIN EN ISO 3219
Molecular Weight	3000 g/mol	3000 g/mol	Vapor Pressure Osmometry
	3800 g/mol	3800 g/mol	GPC

Thermal Properties	Metric	English	Comments
Pour Point	-50.0 °C	-58.0 °F	DIN ISO 3016
Flash Point	200 °C	392 °F	DIN EN ISO 2719

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 4.0	<= 4.0	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)	350	DIN 51 794
Peroxide Number (mval/kg)	<10	

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