

## Evonik Corporation POLYVEST® OC 800 S Polybutadiene

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

**Material Notes:**

POLYVEST OC 800 S is a maleic anhydride adduct of a low molecular weight cis-1.4-polybutadiene. This polybutadiene adduct has succinic anhydride groups randomly distributed along the polymer chains. This makes the originally apolar polybutadiene more polar and thus accessible for various chemical reactions. POLYVEST OC 800 S is a good electrical insulator and can resist freezing temperatures. It is also soluble in aliphatics, aromatics, ethers and compatible with long-oil alkyd resins, rosin esters and zinc resins.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-POLYVEST-OC-800-S-Polybutadiene.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-POLYVEST-OC-800-S-Polybutadiene.php)

Physical Properties	Metric	English	Comments
Density	0.950 g/cc @Temperature 20.0 °C	0.0343 lb/in <sup>3</sup> @Temperature 68.0 °F	DIN 51 757
Iodine Absorption Number	380 - 420	380 - 420	g of Iod/ 100g; DIN 53 241
Viscosity	6000 - 9000 cP @Temperature 20.0 °C	6000 - 9000 cP @Temperature 68.0 °F	DIN EN ISO 3219
Molecular Weight	1800 - 2400 g/mol	1800 - 2400 g/mol	Vapor Pressure Osmometry
	2200 - 2600 g/mol	2200 - 2600 g/mol	GPC

Thermal Properties	Metric	English	Comments
Pour Point	-25.0 °C	-13.0 °F	DIN ISO 3016
Flash Point	300 °C	572 °F	DIN EN ISO 2719

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 2.5	<= 2.5	DIN ISO 4630

Chemical Properties	Metric	English	Comments
Total Acid Number	70 - 90	70 - 90	DIN EN ISO 2114

Descriptive Properties	Value	Comments
Ignition Temperature (°C)	360	DIN 51 794

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