

Evonik Corporation DYNAPOL® S 1450 Linear Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

A saturated, linear copolyester, slightly crystalline. Generally used in a solution, film or melt from heated tanks or extruders for the adhesion of copper, aluminum, iron, paper, cardboard, fabric, PVC and polyester foil.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNAPOL-S-1450-Linear-Copolyester.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	DIN 53 479
Viscosity	40000 cP	40000 cP	melt; (Plate/Plate)
	@Temperature 200 °C	@Temperature 392 °F	
	110000 cP	110000 cP	
Viscosity	@Temperature 180 °C	@Temperature 356 °F	melt; (Plate/Plate)
	220000 cP	220000 cP	
	@Temperature 160 °C	@Temperature 320 °F	
Viscosity Test	82 - 92 cm ³ /g	82 - 92 cm ³ /g	DIN 53 728
Melt Flow	80 g/10 min	80 g/10 min	DIN ISO 1133
	@Temperature 180 °C	@Temperature 356 °F	
	140 g/10 min	140 g/10 min	
Melt Flow	@Temperature 200 °C	@Temperature 392 °F	DIN ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	33	33	
Tensile Strength, Ultimate	15.0 MPa	2180 psi	DIN EN ISO 527-1/3
Elongation at Break	700 %	700 %	

Thermal Properties	Metric	English	Comments
Softening Point	140 °C	284 °F	DIN ISO 4625
Glass Transition Temp, Tg	0.000 °C	32.0 °F	DIN 53 765

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 1.5	<= 1.5	DIN EN ISO 2114

Chemical Properties Descriptive Properties	Metric	English Value	Comments Comments
Hydroxyl Number (mg KOH/g)		4-10	DIN 53 240-2

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