

Evonik Corporation DYNAPOL® S 1218 Linear Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

A saturated, linear copolyester, partially crystalline. Usually applied as a powder or melt from heated tanks or extruders for the adhesion of leather, paper, cardboard and fabric.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNAPOL-S-1218-Linear-Copolyester.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	DIN 53 479
Viscosity	80000 cP	80000 cP	melt; (Plate/Plate)
	@Temperature 200 °C	@Temperature 392 °F	
Viscosity	150000 cP	150000 cP	melt; (Plate/Plate)
	@Temperature 180 °C	@Temperature 356 °F	
Viscosity Test	76 - 84 cm ³ /g	76 - 84 cm ³ /g	DIN 53 728
Melt Flow	60 g/10 min	60 g/10 min	DIN ISO 1133
	@Temperature 180 °C	@Temperature 356 °F	
Melt Flow	110 g/10 min	110 g/10 min	DIN ISO 1133
	@Temperature 200 °C	@Temperature 392 °F	
Melt Flow	210 g/10 min	210 g/10 min	DIN ISO 1133
	@Temperature 220 °C	@Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	
Tensile Strength, Ultimate	20.0 MPa	2900 psi	DIN EN ISO 527-1/3
Elongation at Break	460 %	460 %	

Thermal Properties	Metric	English	Comments
Melting Point	108 - 118 °C	226 - 244 °F	DIN 53 765
Softening Point	130 °C	266 °F	DIN ISO 4625
Glass Transition Temp, Tg	15.0 °C	59.0 °F	DIN 53 765

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