

Evonik Corporation DYNAPOL® S 1272 Linear Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

A saturated, linear copolyester, partially crystalline. Contains optical brightener.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNAPOL-S-1272-Linear-Copolyester.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	DIN 53 479
Viscosity	65000 cP	65000 cP	melt; (Plate/Plate)
	@Temperature 200 °C	@Temperature 392 °F	
	140000 cP	140000 cP	
Viscosity	@Temperature 180 °C	@Temperature 356 °F	melt; (Plate/Plate)
	330000 cP	330000 cP	
	@Temperature 160 °C	@Temperature 320 °F	
Viscosity Test	80 - 88 cm ³ /g	80 - 88 cm ³ /g	DIN 53 728
Melt Flow	30 g/10 min	30 g/10 min	DIN ISO 1133
	@Temperature 160 °C	@Temperature 320 °F	
	60 g/10 min	60 g/10 min	
	@Temperature 180 °C	@Temperature 356 °F	
Melt Flow	120 g/10 min	120 g/10 min	DIN ISO 1133
	@Temperature 200 °C	@Temperature 392 °F	
	250 g/10 min	250 g/10 min	
Melt Flow	@Temperature 220 °C	@Temperature 428 °F	DIN ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	
Tensile Strength, Ultimate	25.0 MPa	3630 psi	DIN EN ISO 527-1/3
Elongation at Break	540 %	540 %	

Thermal Properties	Metric	English	Comments
Melting Point	123 - 133 °C	253 - 271 °F	DIN 53 765

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

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