

Evonik Corporation DYNAPOL® S 1401 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 aluminum, PET, PVC, ABS, copper, paper, cardboard, leather and fabric

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNAPOL-S-1401-Linear-Copolyester.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	DIN 53 479
Viscosity	15000 cP	15000 cP	melt; (Plate/Plate)
	@Temperature 220 °C	@Temperature 428 °F	
	25000 cP	25000 cP	melt; (Plate/Plate)
	@Temperature 200 °C	@Temperature 392 °F	
Viscosity	40000 cP	40000 cP	melt; (Plate/Plate)
	@Temperature 180 °C	@Temperature 356 °F	
Viscosity	80000 cP	80000 cP	melt; (Plate/Plate)
	@Temperature 160 °C	@Temperature 320 °F	
Viscosity Test	75 - 85 cm ³ /g	75 - 85 cm ³ /g	DIN 53 728
Melt Flow	110 g/10 min	110 g/10 min	DIN ISO 1133
	@Temperature 160 °C	@Temperature 320 °F	
	190 g/10 min	190 g/10 min	DIN ISO 1133
@Temperature 180 °C	@Temperature 356 °F		
Melt Flow	290 g/10 min	290 g/10 min	DIN ISO 1133
	@Temperature 200 °C	@Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	19	19	
Tensile Strength, Ultimate	5.00 MPa	725 psi	DIN EN ISO 527-1/3
Elongation at Break	800 %	800 %	

Thermal Properties	Metric	English	Comments
Melting Point	80.0 - 95.0 °C	176 - 203 °F	optical; Mettler FP 82

Thermal Properties	Metric	English	Comments
Softening Point	100 °C	212 °F	DIN ISO 4625
Glass Transition Temp, Tg	-25.0 °C	-13.0 °F	DIN 53 765

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 3.0	<= 3.0	DIN EN ISO 2114

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China