

Evonik Corporation DYNAPOL® S 1227 Linear Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

A saturated linear copolyester, moderately crystalline. Generally used for textiles and adhesive films.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNAPOL-S-1227-Linear-Copolyester.php

Physical Properties	Metric	English	Comments
Viscosity	60000 cP	60000 cP	melt; (Plate/Plate)
	@Temperature 200 °C	@Temperature 392 °F	
	120000 cP	120000 cP	
	@Temperature 180 °C	@Temperature 356 °F	melt; (Plate/Plate)
	240000 cP	240000 cP	melt; (Plate/Plate)
	@Temperature 160 °C	@Temperature 320 °F	
Viscosity Test	80 cm ³ /g	80 cm ³ /g	DIN 53 728
Melt Flow	40 g/10 min	40 g/10 min	DIN ISO 1133
	@Temperature 160 °C	@Temperature 320 °F	
	90 g/10 min	90 g/10 min	DIN ISO 1133
	@Temperature 180 °C	@Temperature 356 °F	
	150 g/10 min	150 g/10 min	
	@Temperature 200 °C	@Temperature 392 °F	DIN ISO 1133
	240 g/10 min	240 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	15.0 MPa	2180 psi	DIN EN ISO 527-1/3
Elongation at Break	700 %	700 %	

Thermal Properties	Metric	English	Comments
Melting Point	100 °C	212 °F	DIN 53 765
Softening Point	115 °C	239 °F	DIN ISO 4625

Glass Transition Temp, Tg
Thermal Properties

10.0 °C
Metric

50.0 °F
English

DIN 53 765
Comments

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