

## Evonik Corporation DYNAPOL® S 1402 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-1402-Linear-Copolyester.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNAPOL-S-1402-Linear-Copolyester.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	DIN 53 479
Viscosity	10000 cP	10000 cP	melt; (Plate/Plate)
	@Temperature 220 °C	@Temperature 428 °F	
	30000 cP	30000 cP	melt; (Plate/Plate)
	@Temperature 200 °C	@Temperature 392 °F	
Viscosity	50000 cP	50000 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	73 - 83 cm <sup>3</sup> /g	73 - 83 cm <sup>3</sup> /g	DIN 53 728
Melt Flow	120 g/10 min	120 g/10 min	DIN ISO 1133
	@Temperature 160 °C	@Temperature 320 °F	
	220 g/10 min	220 g/10 min	DIN ISO 1133
Melt Flow	@Temperature 180 °C	@Temperature 356 °F	DIN ISO 1133
	360 g/10 min	360 g/10 min	
Melt Flow	@Temperature 200 °C	@Temperature 392 °F	DIN ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	27	27	
Tensile Strength, Ultimate	10.0 MPa	1450 psi	DIN EN ISO 527-1/3
Elongation at Break	700 %	700 %	

Thermal Properties	Metric	English	Comments
Melting Point	89.0 - 99.0 °C	192 - 210 °F	optical; Degussa-method

Thermal Properties	Metric	English	Comments
Softening Point	100 °C	212 °F	DIN ISO 4625
Glass Transition Temp, Tg	-10.0 °C	14.0 °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.

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