

## Evonik Corporation DYNACOLL® 7390 Copolyester

Category : Polymer , Thermoset , Polyester, TS

### Material Notes:

DYNACOLL® 7000 products are linear copolyesters with primary hydroxyl functionality and medium molecular weight. Our DYNACOLL® 7000 product line is designed as a building block system, allowing the tailormade production of reactive hot melts (RHM). The 7300 series is a crystalline

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-DYNACOLL-7390-Copolyester.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNACOLL-7390-Copolyester.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Viscosity	700 cP	700 cP	
	@Temperature 130 °C	@Temperature 266 °F	
Molecular Weight	3500 g/mol	3500 g/mol	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	30.0 MPa	4350 psi	with MDI; OH:NCO=1:2.17
Elongation at Break	10 %	10 %	with MDI; OH:NCO=1:2.17

Thermal Properties	Metric	English	Comments
Melting Point	115 °C	239 °F	
Softening Point	118 °C	244 °F	
Glass Transition Temp, Tg	-30.0 °C	-22.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 3.0	<= 3.0	[mg KOH/g]

Descriptive Properties	Value	Comments
Hydroxyl Number (mg KOH/g)	27-34	

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