

Evonik Corporation DYNACOLL® 7321 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-7321-Copolyester.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Viscosity	3000 cP	3000 cP	
	@Temperature 130 °C	@Temperature 266 °F	
Molecular Weight	3500 g/mol	3500 g/mol	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	35.0 MPa	5080 psi	with MDI; OH:NCO=1:2.18
Elongation at Break	400 %	400 %	with MDI; OH:NCO=1:2.18

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	
Softening Point	128 °C	262 °F	
Glass Transition Temp, Tg	-25.0 °C	-13.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 2.0	<= 2.0	[mg KOH/g]

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

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