

Evonik Corporation DYNACOLL® 7331 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-7331-Copolyester.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Viscosity	2000 cP	2000 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=1:2.16
Elongation at Break	500 %	500 %	with MDI; OH:NCO=1:2.16

Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	
Softening Point	115 °C	239 °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	<= 2.0	<= 2.0	[mg KOH/g]

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

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