

Evonik Corporation VESTOPLAST® 792 Amorphous Polyalphaolefin

Category : Polymer , Thermoplastic , Polyalphaolefin

Material Notes:

VESTOPLAST 751 is a amorphous polyalphaolefin and propene-rich. Generally used as hot melt adhesives for the furniture sector, extrusion and structural bonds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-VESTOPLAST-792-Amorphous-Polyalphaolefin.php

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in ³	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Viscosity	90000 - 150000 cP	90000 - 150000 cP	melt, rotational viscometer; DIN 53 019
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	11800 g/mol	11800 g/mol	Mw; GPC
	23800 g/mol	23800 g/mol	Mn; GPC

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.80 MPa	841 psi	DIN EN ISO 527-3
Elongation at Break	1200 %	1200 %	DIN EN ISO 527-3
Shear Modulus	0.00700 GPa	1.02 ksi	DIN EN ISO 6721-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Penetration	11 - 17	11 - 17	needle 100/25/5; DIN 52 010
	@Thickness 0.100 mm	@Thickness 0.00394 in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 - 85.0 °C	176 - 185 °F	under load 5 °C/h, weight 450g; Degussa Method
Glass Transition Temp, Tg	-27.0 °C	-16.6 °F	DSC
Ring & Ball Softening Point	104 - 112 °C	219 - 234 °F	DIN 52 011

Descriptive Properties	Value	Comments
Open Time (sec)	150	Degussa Method
Setting Time (sec)	1	Degussa Method

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