

Evonik Corporation VESTOPLAST® 891 Amorphous Polyalphaolefin

Category : Polymer , Thermoplastic , Polyalphaolefin

Material Notes:

VESTOPLAST 891 is a amorphous polyalphaolefin and propene-rich. Generally used as hot melt adhesives for the furniture sector and structural bonds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-VESTOPLAST-891-Amorphous-Polyalphaolefin.php

Physical Properties	Metric	English	Comments
Density	0.860 g/cc	0.0311 lb/in ³	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Viscosity	80000 - 150000 cP	80000 - 150000 cP	melt, rotational viscometer; DIN 53 019
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	18800 g/mol	18800 g/mol	Mn; GPC
	85000 g/mol	85000 g/mol	Mw; GPC

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	2.00 MPa	290 psi	DIN EN ISO 527-3
Elongation at Break	1000 %	1000 %	DIN EN ISO 527-3
Shear Modulus	0.00300 GPa	0.435 ksi	DIN EN ISO 6721-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Penetration	18 - 26	18 - 26	needle 100/25/5; DIN 52 010
	@Thickness 0.100 mm	@Thickness 0.00394 in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 - 95.0 °C	194 - 203 °F	under load 5 °C/h, weight 450g; Degussa Method
Glass Transition Temp, Tg	-33.0 °C	-27.4 °F	DSC
Ring & Ball Softening Point	158 - 166 °C	316 - 331 °F	DIN 52 011

Descriptive Properties	Value	Comments
Open Time (sec)	40	Degussa Method
Setting Time (sec)	1	Degussa Method

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