

Evonik Corporation VESTOPLAST® 703 Amorphous Polyalphaolefin

Category : Polymer , Thermoplastic , Polyalphaolefin

Material Notes:

VESTOPLAST 703 is a amorphous polyalphaolefin and propene-rich. Generally used as hot melt adhesives with rapid setting for the packaging sector and electrical industry.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-VESTOPLAST-703-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	2000 - 3400 cP	2000 - 3400 cP	melt, rotational viscometer; DIN 53 019
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	7300 g/mol	7300 g/mol	Mn; GPC
	34000 g/mol	34000 g/mol	Mw; GPC

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	DIN 53 505
Tensile Strength at Break	2.10 MPa	305 psi	DIN EN ISO 527-3
Elongation at Break	43 %	43 %	DIN EN ISO 527-3
Shear Modulus	0.0410 GPa	5.95 ksi	DIN EN ISO 6721-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Penetration	9.0 - 15	9.0 - 15	needle 100/25/5; DIN 52 010
	@Thickness 0.100 mm	@Thickness 0.00394 in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 - 90.0 °C	185 - 194 °F	under load 5 °C/h, weight 450g; Degussa Method
Glass Transition Temp, Tg	-28.0 °C	-18.4 °F	DSC
Ring & Ball Softening Point	118 - 130 °C	244 - 266 °F	DIN 52 011

Descriptive Properties	Value	Comments
Open Time (sec)	15	Degussa Method

Setting Time (sec) Descriptive Properties	Value	Request Method Comments
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