

Evonik Corporation VESTOPLAST® 828 Amorphous Polyalphaolefin

Category : Polymer , Thermoplastic , Polyalphaolefin

Material Notes:

VESTOPLAST 828 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-828-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	18000 - 32000 cP	18000 - 32000 cP	melt, rotational viscometer; DIN 53 019
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	13200 g/mol	13200 g/mol	Mn; GPC
	61000 g/mol	61000 g/mol	Mw; GPC

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	DIN 53 505
Tensile Strength at Break	1.00 MPa	145 psi	DIN EN ISO 527-3
Elongation at Break	550 %	550 %	DIN EN ISO 527-3
Shear Modulus	0.00400 GPa	0.580 ksi	DIN EN ISO 6721-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Penetration	19 - 25	19 - 25	needle 100/25/5; DIN 52 010
	@Thickness 0.100 mm	@Thickness 0.00394 in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 - 100 °C	203 - 212 °F	under load 5 °C/h, weight 450g; Degussa Method
Glass Transition Temp, Tg	-35.0 °C	-31.0 °F	DSC
Ring & Ball Softening Point	157 - 165 °C	315 - 329 °F	DIN 52 011

Descriptive Properties	Value	Comments
Open Time (sec)	70	Degussa Method

Setting Time (sec) Descriptive Properties	Value	Request Method Comments
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