

## Evonik Corporation VESTOPLAST® 520 Amorphous Polyalphaolefin

Category : Polymer , Thermoplastic , Polyalphaolefin

### Material Notes:

VESTOPLAST 520 is a amorphous polyalphaolefin and butene-rich. Generally used as hot melt adhesives with long open times and good tear strength.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-VESTOPLAST-520-Amorphous-Polyalphaolefin.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-VESTOPLAST-520-Amorphous-Polyalphaolefin.php)

Physical Properties	Metric	English	Comments
Density	0.880 g/cc	0.0318 lb/in <sup>3</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Viscosity	18000 - 26000 cP	18000 - 26000 cP	melt, rotational viscometer; DIN 53 019
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	13900 g/mol	13900 g/mol	Mn; GPC
	63000 g/mol	63000 g/mol	Mw; GPC

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	DIN 53 505
Tensile Strength at Break	2.40 MPa	348 psi	DIN EN ISO 527-3
Elongation at Break	80 %	80 %	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	65.0 - 70.0 °C	149 - 158 °F	under load 5 °C/h, weight 450g; Degussa Method
Glass Transition Temp, Tg	-29.0 °C	-20.2 °F	DSC
Ring & Ball Softening Point	83.0 - 91.0 °C	181 - 196 °F	DIN 52 011

Descriptive Properties	Value	Comments
Open Time (sec)	900	Degussa Method

Setting Time (sec) Descriptive Properties	Value	Request Method Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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