

Zylog Neoplast® 180 FT EB Thermoplastic Vulcanizate

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

Material Notes:

Neoplast 180 FT EB is a soft, dynamically vulcanized thermoplastic vulcanizate (TPV), based on polyolefin chemistry, and is intended for Injection Molding, Blow Molding and Extrusion applications. RoHS Compliant, UV Stabilized. Information provided by Zylog Plastalloys Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zylog-Neoplast-180-FT-EB-Thermoplastic-Vulcanizate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D 2240
	83	83	
	@Treatment Temp. 150 °C, Time 605000 sec	@Treatment Temp. 302 °F, Time 168 hour	Heat Aging; ASTM D 2240/ASTM D 573
Tensile Strength, Ultimate	10.8 MPa	1560 psi	500 mm/min; ASTM D 412
	11.9 MPa	1720 psi	
	@Treatment Temp. 150 °C, Time 605000 sec	@Treatment Temp. 302 °F, Time 168 hour	Heat Aging; ASTM D 412/ASTM D 573
Elongation at Break	550 %	550 %	500 mm/min; ASTM D 412
	495 %	495 %	
	@Treatment Temp. 150 °C, Time 605000 sec	@Treatment Temp. 302 °F, Time 168 hour	Heat Aging; ASTM D 412/ASTM D 573
100% Modulus	0.00738 GPa	1.07 ksi	500 mm/min; ASTM D 412
Tear Strength	39.2 kN/m	224 pli	500 mm/min; ASTM D 624
Compression Set	45 %	45 %	ASTM B 395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	Continuous; SAE J 2236
Brittleness Temperature			ASTM D 746

Thermal Properties	-60.0 °C Metric	-76.0 °F English	Comments
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