

Zylog Neoplast® 180 C Thermoplastic Vulcanizate

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

Material Notes:

Neoplast 180 C is a soft, dynamically vulcanized thermoplastic vulcanizate (TPV), based on polyolefin chemistry, and is intended for Injection 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-C-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	85	85	ASTM D 2240
	86	86	Heat Aging; ASTM D 2240/ASTM D 573
Tensile Strength, Ultimate	9.32 MPa	1350 psi	500 mm/min; ASTM D 412
	10.3 MPa	1490 psi	Heat Aging; ASTM D 412/ASTM D 573
Elongation at Break	550 %	550 %	500 mm/min; ASTM D 412
	495 %	495 %	Heat Aging; ASTM D 412/ASTM D 573
100% Modulus	0.00638 GPa	0.925 ksi	500 mm/min; ASTM D 412
Tear Strength	49.0 kN/m	280 pli	500 mm/min; ASTM D 624
Compression Set	48 %	48 %	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	-60.0 °C	-76.0 °F	ASTM D 746

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