

Zylog Neoplast® 187 FT EB Thermoplastic Vulcanizate

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

Material Notes:

Neoplast 187 FT EB is a hard, 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-187-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	92	92	ASTM D 2240
	93	93	Heat Aging; ASTM D 2240/ASTM D 573
Tensile Strength, Ultimate	@Time 605000 sec	@Time 168 hour	
	16.7 MPa	2420 psi	500 mm/min; ASTM D 412
Elongation at Break	18.3 MPa	2660 psi	Heat Aging; ASTM D 412/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
100% Modulus	600 %	600 %	500 mm/min; ASTM D 412
	528 %	528 %	Heat Aging; ASTM D 412/ASTM D 573
Tear Strength	@Time 605000 sec	@Time 168 hour	
	49.0 kN/m	280 pli	500 mm/min; ASTM D 624
Compression Set	48 %	48 %	ASTM B 395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °F	Continuous; SAE J 2236
Brittleness Temperature	-55.0 °C	-67.0 °F	ASTM D 746

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