

Zylog Neoplast® 163 FT EB Thermoplastic Vulcanizate

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

Material Notes:

Neoplast 163 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-163-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	66	66	ASTM D 2240
	68	68	Heat Aging; ASTM D 2240/ASTM D 573
Tensile Strength, Ultimate	@Time 605000 sec	@Time 168 hour	
	6.77 MPa	981 psi	500 mm/min; ASTM D 412
Elongation at Break	7.45 MPa	1080 psi	Heat Aging; ASTM D 412/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
100% Modulus	425 %	425 %	500 mm/min; ASTM D 412
	361 %	361 %	Heat Aging; ASTM D 412/ASTM D 573
Tear Strength	@Time 605000 sec	@Time 168 hour	
	21.6 kN/m	123 pli	500 mm/min; ASTM D 624
Compression Set	28 %	28 %	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	125 °C	257 °F	Continuous; SAE J 2236
Brittleness Temperature	-60.0 °C	-76.0 °F	ASTM D 746

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