

Zylog Neoplast® 145 FT EB Thermoplastic Vulcanizate

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

Material Notes:

Neoplast 145 FT EB 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-145-FT-EB-Thermoplastic-Vulcanizate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	47	47	ASTM D 2240
	49	49	Heat Aging; ASTM D 2240/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
Tensile Strength, Ultimate	3.14 MPa	455 psi	500 mm/min; ASTM D 412
	2.55 MPa	370 psi	Heat Aging; ASTM D 412/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
Elongation at Break	325 %	325 %	500 mm/min; ASTM D 412
	244 %	244 %	Heat Aging; ASTM D 412/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
100% Modulus	0.00108 GPa	0.156 ksi	500 mm/min; ASTM D 412
Tear Strength	10.8 kN/m	61.6 pli	500 mm/min; ASTM D 624
Compression Set	15 %	15 %	ASTM B 395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-62.0 °C	-79.6 °F	ASTM D 746

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