

Zylog Neoplast® 135 FT EB Thermoplastic Vulcanizate

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

Material Notes:

Neoplast 135 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-135-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	38	38	ASTM D 2240
	40	40	Heat Aging; ASTM D 2240/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
Tensile Strength, Ultimate	2.65 MPa	384 psi	500 mm/min; ASTM D 412
	1.96 MPa	284 psi	Heat Aging; ASTM D 412/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
Elongation at Break	300 %	300 %	500 mm/min; ASTM D 412
	240 %	240 %	Heat Aging; ASTM D 412/ASTM D 573
	@Time 605000 sec	@Time 168 hour	
100% Modulus	0.00147 GPa	0.213 ksi	500 mm/min; ASTM D 412
Tear Strength	9.81 kN/m	56.0 pli	500 mm/min; ASTM D 624
Compression Set	14 %	14 %	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	-63.0 °C	-81.4 °F	ASTM D 746

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