

Zylog Neoplast® 240 FT EB Thermoplastic Vulcanizate

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

Material Notes:

Neoplast 240 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-240-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 D	40	40	ASTM D 2240
	44	44	Heat Aging; ASTM D 2240/ASTM D573
	@Treatment Temp. 150 °C, Time 605000 sec	@Treatment Temp. 302 °F, Time 168 hour	
Tensile Strength, Ultimate	19.6 MPa	2840 psi	500 mm/min; ASTM D 412
	21.6 MPa	3130 psi	Heat Aging; ASTM D 412/ASTM D 573
	@Treatment Temp. 150 °C, Time 605000 sec	@Treatment Temp. 302 °F, Time 168 hour	
Elongation at Break	650 %	650 %	500 mm/min; ASTM D 412
	553 %	553 %	Heat Aging; ASTM D 412/ASTM D 573
	@Treatment Temp. 150 °C, Time 605000 sec	@Treatment Temp. 302 °F, Time 168 hour	
100% Modulus	0.0118 GPa	1.71 ksi	500 mm/min; ASTM D 412
Tear Strength	63.7 kN/m	364 pli	500 mm/min; ASTM D 624
Compression Set	55 %	55 %	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	140 °C	284 °F	Continuous; SAE J 2236
Brittleness Temperature			ASTM D 746

Thermal Properties	-50.0 °C Metric	-58.0 °F English	Comments
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