

Network Polymers Softflex® 7210 Black

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Description: Softflex® Thermoplastic Elastomer Alloy Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-Softflex-7210-Black.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.016 - 0.018 cm/cm @Thickness 3.17 mm	0.016 - 0.018 in/in @Thickness 0.125 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 - 0.016 cm/cm @Thickness 3.17 mm	0.014 - 0.016 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	3.1 g/10 min @Load 1.00 kg, Temperature 235 °C	3.1 g/10 min @Load 2.20 lb, Temperature 455 °F	Procedure A Condition Q; ASTM D1238
	19.7 g/10 min @Load 2.16 kg, Temperature 230 °C	19.7 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A Condition L; ASTM D1238
	28.6 g/10 min @Load 5.00 kg, Temperature 200 °C	28.6 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67 - 77	67 - 77	Instantaneous; ASTM D2240
Tensile Strength, Yield	9.65 MPa	1400 psi	chs 20 in/min; ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
Tear Strength	43.8 kN/m	250 pli	

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