

Multibase C6-570 Dow-Corning Class VI Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-C6-570-Dow-Corning-Class-VI-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	Relative, no post cure; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	no post cure; ASTM D2240
	66	66	post cured-2 hours at 177 ^o C; ASTM D2240
	67	67	post cured-4 hours at 177 ^o C; ASTM D2240
	67	67	post cured- 8 hours at 177 ^o C; ASTM D2240
Tensile Strength, Ultimate	8.922 MPa	1294 psi	post cured- 2 hours at 177 ^o C; ASTM D412
	9.053 MPa	1313 psi	post cured- 4 hours at 177 ^o C; ASTM D412
	9.122 MPa	1323 psi	post cured- 8 hours at 177 ^o C; ASTM D412
	9.129 MPa	1324 psi	no post cure; ASTM D412
Tensile Strength, Yield	5.24 MPa	760 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	5.67 MPa	823 psi	200%, post cured- 4 hours at 177 ^o C; ASTM D412
	5.78 MPa	839 psi	at 200%, post cured- 2 hours at 177 ^o C; ASTM D412
	5.83 MPa	846 psi	200%, post cured- 8 hours at 177 ^o C; ASTM D412
Elongation at Break	380 %	380 %	post cured- 2 hours at 177 ^o C; ASTM D412
	386 %	386 %	post cured- 8 hours at 177 ^o C; ASTM D412
	394 %	394 %	post cured- 4 hours at 177 ^o C; ASTM D412
	442 %	442 %	no post cure; ASTM D412

Mechanical Properties	Metric	English	Comments
Tear Strength	49.4 kN/m	282 pli	Die B, post cured- 2 hours at 177Â°C; ASTM D624
	49.8 kN/m	284 pli	Die B, post cured- 4 hours at 177Â°C; ASTM D624
	50.3 kN/m	287 pli	Die B, post cured- 8 hours at 177Â°C; ASTM D624
	54.0 kN/m	308 pli	Die B, no post cure; ASTM D624
Compression Set	56 %	56 %	no post cure; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	1.9 %	1.9 %	no post cure

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