

Multibase C6-540 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-C6-540-Dow-Corning-Class-VI-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	Relative, no post cure; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	no post cure; ASTM D2240
	42	42	post cured-4 hours at 177 ^o C; ASTM D2240
	43	43	post cured-2 hours at 177 ^o C; ASTM D2240
	44	44	post cured- 8 hours at 177 ^o C; ASTM D2240
Tensile Strength, Ultimate	8.722 MPa	1265 psi	post cured- 4 hours at 177 ^o C; ASTM D412
	8.729 MPa	1266 psi	post cured- 2 hours at 177 ^o C; ASTM D412
	9.480 MPa	1375 psi	post cured- 8 hours at 177 ^o C; ASTM D412
	9.611 MPa	1394 psi	no post cure; ASTM D412
Tensile Strength, Yield	2.12 MPa	308 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	2.48 MPa	359 psi	200%, post cured- 4 hours at 177 ^o C; ASTM D412
	2.70 MPa	391 psi	at 200%, post cured- 2 hours at 177 ^o C; ASTM D412
	2.85 MPa	413 psi	200%, post cured- 8 hours at 177 ^o C; ASTM D412
Elongation at Break	642 %	642 %	post cured- 2 hours at 177 ^o C; ASTM D412
	659 %	659 %	post cured- 4 hours at 177 ^o C; ASTM D412
	660 %	660 %	post cured- 8 hours at 177 ^o C; ASTM D412
	742 %	742 %	no post cure; ASTM D412

Mechanical Properties	Metric	English	Comments
Tear Strength	41.9 kN/m	239 pli	Die B, no post cure; ASTM D624
	44.9 kN/m	256 pli	Die B, post cured- 4 hours at 177Å°C; ASTM D624
	45.1 kN/m	257 pli	Die B, post cured- 2 hours at 177Å°C; ASTM D624
	45.8 kN/m	261 pli	Die B, post cured- 8 hours at 177Å°C; ASTM D624
Compression Set	46 %	46 %	no post cure; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.0 %	2.0 %	no post cure

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