

Multibase C6-515 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-C6-515-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	18	18	no post cure; ASTM D2240
	19	19	post cured-2 hours at 177 ^o C; ASTM D2240
	20	20	post cured-4 hours at 177 ^o C; ASTM D2240
	21	21	post cured- 8 hours at 177 ^o C; ASTM D2240
Tensile Strength, Ultimate	8.07 MPa	1170 psi	no post cure; ASTM D412
	8.27 MPa	1200 psi	post cured- 4 hours at 177 ^o C; ASTM D412
	8.48 MPa	1230 psi	post cured- 2 hours at 177 ^o C; ASTM D412
	8.89 MPa	1290 psi	post cured- 8 hours at 177 ^o C; ASTM D412
Tensile Strength, Yield	0.414 MPa	60.0 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	0.462 MPa	67.0 psi	at 200%, post cured- 2 hours at 177 ^o C; ASTM D412
	0.490 MPa	71.0 psi	200%, post cured- 4 hours at 177 ^o C; ASTM D412
	0.510 MPa	74.0 psi	200%, post cured- 8 hours at 177 ^o C; ASTM D412
Elongation at Break	918 %	918 %	post cured- 4 hours at 177 ^o C; ASTM D412
	945 %	945 %	post cured- 2 hours at 177 ^o C; ASTM D412
	950 %	950 %	no post cure; ASTM D412
	988 %	988 %	post cured- 8 hours at 177 ^o C; ASTM

Mechanical Properties	Metric	English	D412 Comments
Tear Strength	26.3 kN/m	150 pli	Die B, no post cure; ASTM D624
	27.2 kN/m	155 pli	Die B, post cured- 4 hours at 177Å°C; ASTM D624
	28.7 kN/m	164 pli	Die B, post cured- 2 hours at 177Å°C; ASTM D624
	31.6 kN/m	180 pli	Die B, post cured- 8 hours at 177Å°C; ASTM D624
Compression Set	57 %	57 %	no post cure; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.4 %	2.4 %	no post cure

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