

Multibase C6-550 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-C6-550-Dow-Corning-Class-VI-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	Relative, no post cure; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	no post cure; ASTM D2240
	54	54	post cured-2 hours at 177°C; ASTM D2240
	54	54	post cured-4 hours at 177°C; ASTM D2240
	55	55	post cured- 8 hours at 177°C; ASTM D2240
Tensile Strength, Ultimate	9.039 MPa	1311 psi	post cured- 4 hours at 177°C; ASTM D412
	9.115 MPa	1322 psi	post cured- 8 hours at 177°C; ASTM D412
	9.232 MPa	1339 psi	post cured- 2 hours at 177°C; ASTM D412
	10.47 MPa	1518 psi	no post cure; ASTM D412
Tensile Strength, Yield	3.20 MPa	464 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	3.92 MPa	569 psi	200%, post cured- 4 hours at 177°C; ASTM D412
	3.92 MPa	569 psi	at 200%, post cured- 2 hours at 177°C; ASTM D412
	4.12 MPa	598 psi	200%, post cured- 8 hours at 177°C; ASTM D412
Elongation at Break	508 %	508 %	post cured- 8 hours at 177°C; ASTM D412
	522 %	522 %	post cured- 4 hours at 177°C; ASTM D412
	530 %	530 %	post cured- 2 hours at 177°C; ASTM D412
	661 %	661 %	no post cure; ASTM D412

Mechanical Properties	Metric	English	Comments
Tear Strength	44.7 kN/m	255 pli	Die B, no post cure; ASTM D624
	48.2 kN/m	275 pli	Die B, post cured- 4 hours at 177°C; ASTM D624
	49.1 kN/m	280 pli	Die B, post cured- 2 hours at 177°C; ASTM D624
	50.0 kN/m	285 pli	Die B, post cured- 8 hours at 177°C; ASTM D624
Compression Set	27 %	27 %	no post cure; ASTM D395

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

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