

Multibase C6-530 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-C6-530-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	30	30	no post cure; ASTM D2240
	31	31	post cured-2 hours at 177 ^o C; ASTM D2240
	32	32	post cured-4 hours at 177 ^o C; ASTM D2240
	33	33	post cured- 8 hours at 177 ^o C; ASTM D2240
Tensile Strength, Ultimate	8.20 MPa	1190 psi	no post cure; ASTM D412
	8.301 MPa	1204 psi	post cured- 8 hours at 177 ^o C; ASTM D412
	8.515 MPa	1235 psi	post cured- 4 hours at 177 ^o C; ASTM D412
	9.087 MPa	1318 psi	post cured- 2 hours at 177 ^o C; ASTM D412
Tensile Strength, Yield	0.889 MPa	129 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	1.05 MPa	152 psi	200%, post cured- 4 hours at 177 ^o C; ASTM D412
	1.10 MPa	160 psi	200%, post cured- 8 hours at 177 ^o C; ASTM D412
	1.15 MPa	167 psi	at 200%, post cured- 2 hours at 177 ^o C; ASTM D412
Elongation at Break	793 %	793 %	post cured- 4 hours at 177 ^o C; ASTM D412
	796 %	796 %	post cured- 8 hours at 177 ^o C; ASTM D412
	831 %	831 %	no post cure; ASTM D412
	833 %	833 %	post cured- 2 hours at 177 ^o C; ASTM

Mechanical Properties	Metric	English	^{D412} Comments
Tear Strength	26.3 kN/m	150 pli	Die B, post cured- 4 hours at 177Â°C; ASTM D624
	27.0 kN/m	154 pli	Die B, post cured- 8 hours at 177Â°C; ASTM D624
	27.5 kN/m	157 pli	Die B, no post cure; ASTM D624
	28.2 kN/m	161 pli	Die B,post cured- 2 hours at 177Â°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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