

Multibase C6-135 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-C6-135-Dow-Corning-Class-VI-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	36	36	no post cure; ASTM D2240
	50	50	post cured- 2 hours at 177Â°C; ASTM D2240
	50	50	post cured- 4 hours at 177Â°C; ASTM D2240
	50	50	post cured- 8 hours at 177Â°C; ASTM D2240
Tensile Strength, Ultimate	8.198 MPa	1189 psi	post cured- 4 hours at 177Â°C; ASTM D412
	8.281 MPa	1201 psi	no post cure; ASTM D412
	8.749 MPa	1269 psi	post cured- 2 hours at 177Â°C; ASTM D412
	8.936 MPa	1296 psi	post cured- 8 hours at 177Â°C; ASTM D412
Tensile Strength, Yield	1.23 MPa	178 psi	at 200%, no post cure; ASTM D412
	2.10 MPa	304 psi	at 200%, post cured- 2 hours at 177Â°C; ASTM D412
	2.11 MPa	306 psi	200%, post cured- 4 hours at 177Â°C; ASTM D412
	2.14 MPa	310 psi	200%, post cured- 8 hours at 177Â°C; ASTM D412
Elongation at Break	814 %	814 %	post cured- 4 hours at 177Â°C; ASTM D412
	843 %	843 %	post cured- 8 hours at 177Â°C; ASTM D412
	847 %	847 %	post cured- 2 hours at 177Â°C; ASTM D412
	1117 %	1117 %	no post cure; ASTM D412
Tear Strength	35.2 kN/m	201 pli	Die B, no post cure; ASTM D624
	35.9 kN/m	205 pli	Die B, post cured- 4 hours at 177Â°C; ASTM D624

Mechanical Properties	Metric	English	Comments
	37.9 kN/m	216 pli	Die B,post cured- 2 hours at 177Â°C; ASTM D624

Thermal Properties	Metric	English	Comments
Shrinkage	2.4 %	2.4 %	no post cure
	2.90 % @Temperature 177 Â°C, Time 7200 sec	2.90 % @Temperature 351 Â°F, Time 2.00 hour	post cured
	3.00 % @Temperature 177 Â°C, Time 14400 sec	3.00 % @Temperature 351 Â°F, Time 4.00 hour	post cured
	3.00 % @Temperature 177 Â°C, Time 28800 sec	3.00 % @Temperature 351 Â°F, Time 8.00 hour	post cured

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