

Multibase C6-250 DI-CUP R 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-C6-250-DI-CUP-R-Dow-Corning-Class-VI-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	molded- without post cure; ASTM D2240
	55	55	post cured- 2 hours at 177Â°C; ASTM D2240
	55	55	post cured- 4 hours at 177Â°C; ASTM D2240
	57	57	post cured- 8 hours at 177Â°C; ASTM D2240
Tensile Strength, Ultimate	8.27 MPa	1200 psi	molded-without post cure; ASTM D412
	8.27 MPa	1200 psi	post cured- 4 hours at 177Â°C; ASTM D412
	8.96 MPa	1300 psi	post cured- 8 hours at 177Â°C; ASTM D412
	8.96 MPa	1300 psi	post cured- 2 hours at 177Â°C; ASTM D412
Tensile Strength, Yield	2.28 MPa	330 psi	at 200%, molded-without post cure; ASTM D412
	3.10 MPa	450 psi	200%, post cured- 4 hours at 177Â°C; ASTM D412
	3.10 MPa	450 psi	at 200%, post cured- 2 hours at 177Â°C; ASTM D412
	3.45 MPa	500 psi	200%, post cured- 8 hours at 177Â°C; ASTM D412
Elongation at Break	460 %	460 %	post cured- 8 hours at 177Â°C; ASTM D412
	480 %	480 %	post cured- 4 hours at 177Â°C; ASTM D412
	490 %	490 %	post cured- 2 hours at 177Â°C; ASTM D412
	610 %	610 %	molded-without post cure; ASTM D412
Tear Strength	24.5 kN/m	140 pli	Die B, post cured- 8 hours at 177Â°C; ASTM D624

Mechanical Properties	Metric	English	Comments
	29.8 kN/m	170 pli	Die B, post cured- 2 hours at 177Â°C; ASTM D624
	29.8 kN/m	170 pli	Die B, post cured- 4 hours at 177Â°C; ASTM D624
	36.8 kN/m	210 pli	Die B,molded-without post cure; ASTM D624
Compression Set	50 %	50 %	22 hours at 177Â°C, post cured- 8 hours at 177Â°C; ASTM D395
	62 %	62 %	22 hours at 177Â°C, post cured- 2 hours at 177Â°C; ASTM D395
	67 %	67 %	22 hours at 177Â°C, post cured- 4 hours at 177Â°C; ASTM D395
	67 %	67 %	22 hours at 177Â°C, molded-without post cure; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.90 %	2.90 %	post cured
	@Temperature 177 Â°C, Time 14400 sec	@Temperature 351 Â°F, Time 4.00 hour	
	3.00 %	3.00 %	post cured
	@Temperature 177 Â°C, Time 7200 sec	@Temperature 351 Â°F, Time 2.00 hour	
	3.40 %	3.40 %	post cured
	@Temperature 177 Â°C, Time 28800 sec	@Temperature 351 Â°F, Time 8.00 hour	

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