

Multibase C6-265 VAROX DBPH 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-C6-265-VAROX-DBPH-Dow-Corning-Class-VI-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	molded- without post cure; ASTM D2240
	72	72	post cured- 4 hours at 177Â°C; ASTM D2240
	73	73	post cured- 2 hours at 177Â°C; ASTM D2240
	75	75	post cured- 8 hours at 177Â°C; ASTM D2240
Tensile Strength, Ultimate	7.58 MPa	1100 psi	molded-without post cure; ASTM D412
	7.58 MPa	1100 psi	post cured- 2 hours at 177Â°C; ASTM D412
	7.58 MPa	1100 psi	post cured- 4 hours at 177Â°C; ASTM D412
	7.58 MPa	1100 psi	post cured- 8 hours at 177Â°C; ASTM D412
Tensile Strength, Yield	3.86 MPa	560 psi	at 200%, molded-without post cure; ASTM D412
	4.14 MPa	600 psi	200%, post cured- 4 hours at 177Â°C; ASTM D412
	4.14 MPa	600 psi	at 200%, post cured- 2 hours at 177Â°C; ASTM D412
	4.55 MPa	660 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
	500 %	500 %	post cured- 2 hours at 177Â°C; ASTM D412
	500 %	500 %	post cured- 4 hours at 177Â°C; ASTM D412
	560 %	560 %	molded-without post cure; ASTM D412
Tear Strength	36.8 kN/m	210 pli	Die B, post cured- 8 hours at 177Â°C; ASTM D624

Mechanical Properties	Metric	English	Comments
	40.3 kN/m	230 pli	molded-without post cure; ASTM D624
	40.3 kN/m	230 pli	Die B, post cured- 2 hours at 177Å°C; ASTM D624
	42.1 kN/m	240 pli	Die B, post cured- 4 hours at 177Å°C; ASTM D624
Compression Set	61 %	61 %	22 hours at 177Å°C, post cured- 4 hours at 177Å°C; ASTM D395
	74 %	74 %	22 hours at 177Å°C, molded-without post cure; ASTM D395
	75 %	75 %	22 hours at 177Å°C, post cured- 8 hours at 177Å°C; ASTM D395
	80 %	80 %	22 hours at 177Å°C, post cured- 2 hours at 177Å°C; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.90 %	2.90 %	
	@Temperature 177 Å°C, Time 14400 sec	@Temperature 351 Å°F, Time 4.00 hour	post cured
	3.00 %	3.00 %	
	@Temperature 177 Å°C, Time 7200 sec	@Temperature 351 Å°F, Time 2.00 hour	post cured
	3.50 %	3.50 %	
	@Temperature 177 Å°C, Time 28800 sec	@Temperature 351 Å°F, Time 8.00 hour	post cured

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