

## Multibase C6-250 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-C6-250-VAROX-DBPH-Dow-Corning-Class-VI-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-C6-250-VAROX-DBPH-Dow-Corning-Class-VI-Elastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	molded- without post cure; ASTM D2240
	58	58	post cured- 2 hours at 177Â°C; ASTM D2240
	58	58	post cured- 4 hours at 177Â°C; ASTM D2240
	60	60	post cured- 8 hours at 177Â°C; ASTM D2240
Tensile Strength, Ultimate	7.58 MPa	1100 psi	molded-without post cure; ASTM D412
	8.96 MPa	1300 psi	post cured- 2 hours at 177Â°C; ASTM D412
	8.96 MPa	1300 psi	post cured- 4 hours at 177Â°C; ASTM D412
	8.96 MPa	1300 psi	post cured- 8 hours at 177Â°C; ASTM D412
Tensile Strength, Yield	2.96 MPa	430 psi	at 200%, molded-without post cure; ASTM D412
	3.31 MPa	480 psi	at 200%, post cured- 2 hours at 177Â°C; ASTM D412
	3.38 MPa	490 psi	200%, post cured- 4 hours at 177Â°C; ASTM D412
	3.86 MPa	560 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
	520 %	520 %	post cured- 4 hours at 177Â°C; ASTM D412
	520 %	520 %	molded-without post cure; ASTM D412
	530 %	530 %	post cured- 2 hours at 177Â°C; ASTM D412
Tear Strength	28.0 kN/m	160 pli	Die B, post cured- 8 hours at 177Â°C; ASTM D624

Mechanical Properties	Metric	English	Comments
	36.8 kN/m	210 pli	Die B, post cured- 4 hours at 177Å°C; ASTM D624
	36.8 kN/m	210 pli	Die B, molded-without post cure; ASTM D624
	36.8 kN/m	210 pli	Die B, post cured- 2 hours at 177Å°C; ASTM D624
Compression Set	46 %	46 %	22 hours at 177Å°C, post cured- 8 hours at 177Å°C; ASTM D395
	48 %	48 %	22 hours at 177Å°C, post cured- 4 hours at 177Å°C; ASTM D395
	57 %	57 %	22 hours at 177Å°C, post cured- 2 hours at 177Å°C; ASTM D395
	67 %	67 %	22 hours at 177Å°C, molded-without post cure; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	3.00 %	3.00 %	post cured
	@Temperature 177 Å°C, Time 7200 sec	@Temperature 351 Å°F, Time 2.00 hour	
	3.00 %	3.00 %	post cured
	@Temperature 177 Å°C, Time 14400 sec	@Temperature 351 Å°F, Time 4.00 hour	
	3.30 %	3.30 %	post cured
	@Temperature 177 Å°C, Time 28800 sec	@Temperature 351 Å°F, Time 8.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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