

## Multibase C6-265 PERKADOX PD-50S 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-PERKADOX-PD-50S-Dow-Corning-Class-VI-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-C6-265-PERKADOX-PD-50S-Dow-Corning-Class-VI-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	Relative, molded-without post cure; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	54	54	molded- without post cure; ASTM D2240
	66	66	post cured- 2 hours at 177 <sup>o</sup> C; ASTM D2240
	67	67	post cured- 4 hours at 177 <sup>o</sup> C; ASTM D2240
	68	68	post cured- 8 hours at 177 <sup>o</sup> C; ASTM D2240
Tensile Strength, Ultimate	7.58 MPa	1100 psi	post cured- 4 hours at 177 <sup>o</sup> C; ASTM D412
	7.58 MPa	1100 psi	post cured- 8 hours at 177 <sup>o</sup> C; ASTM D412
	7.58 MPa	1100 psi	molded-without post cure; ASTM D412
	8.27 MPa	1200 psi	post cured- 2 hours at 177 <sup>o</sup> C; ASTM D412
Tensile Strength, Yield	1.86 MPa	270 psi	at 200%, post cured- 2 hours at 177 <sup>o</sup> C; ASTM D412
	2.69 MPa	390 psi	at 200%, molded-without post cure; ASTM D412
	3.31 MPa	480 psi	200%, post cured- 4 hours at 177 <sup>o</sup> C; ASTM D412
	3.52 MPa	510 psi	200%, post cured- 8 hours at 177 <sup>o</sup> C; ASTM D412
Elongation at Break	480 %	480 %	post cured- 8 hours at 177 <sup>o</sup> C; ASTM D412
	520 %	520 %	post cured- 4 hours at 177 <sup>o</sup> C; ASTM D412
	560 %	560 %	post cured- 2 hours at 177 <sup>o</sup> C; ASTM D412

Mechanical Properties	Metric	English	Comments
	590 %	590 %	Molded without post cure; ASTM D412
Tear Strength	31.6 kN/m	180 pli	Die B, post cured- 8 hours at 177Å°C; ASTM D624
	35.1 kN/m	200 pli	Die B, post cured- 2 hours at 177Å°C; ASTM D624
	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
Compression Set	81 %	81 %	22 hours at 177Å°C, post cured- 4 hours at 177Å°C; ASTM D395
	87 %	87 %	22 hours at 177Å°C, post cured- 8 hours at 177Å°C; ASTM D395
	92 %	92 %	22 hours at 177Å°C, post cured- 2 hours at 177Å°C; ASTM D395
	97 %	97 %	22 hours at 177Å°C, molded-without post cure; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.50 %	2.50 %	post cured
	@Temperature 177 Å°C, Time 14400 sec	@Temperature 351 Å°F, Time 4.00 hour	
	2.50 %	2.50 %	
	@Temperature 177 Å°C, Time 28800 sec	@Temperature 351 Å°F, Time 8.00 hour	post cured
	2.60 %	2.60 %	post cured
	@Temperature 177 Å°C, Time 7200 sec	@Temperature 351 Å°F, Time 2.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China