

## Dow Nordel® IP 4640 Molded Brake Cup

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

**Material Notes:**

FormulationNordel® IP 4640

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Nordel-IP-4640-Molded-Brake-Cup.php](http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4640-Molded-Brake-Cup.php)

Physical Properties	Metric	English	Comments
Density	1.046 g/cc	0.03779 lb/in <sup>3</sup>	
Mooney Viscosity	76 @Temperature 100 °C	76 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	17.4 MPa	2520 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	383 %	383 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00250 GPa	0.363 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
200% Modulus	0.00660 GPa	0.957 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.0116 GPa	1.68 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	31.7 kN/m	181 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	20 % @Temperature 125 °C	20 % @Temperature 257 °F	Pellets cured MDR TC95 + 15 min at 160°C, 70 hr at 125°C; Method B

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-40.0 °C	-40.0 °F	Temperature Retraction, TR-10

## Contact Songhan Plastic Technology Co.,Ltd.

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