

## Dow Nordel® IP 4640 General Purpose Compound

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-General-Purpose-Compound.php](http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4640-General-Purpose-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.083 g/cc	0.03913 lb/in <sup>3</sup>	
Mooney Viscosity	46 @Temperature 100 °C	46 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	10.1 MPa	1460 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	340 %	340 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00330 GPa	0.479 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.00900 GPa	1.31 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	28.1 kN/m	160 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	72 % @Temperature 125 °C	72 % @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	-43.0 °C	-45.4 °F	Temperature Retraction, TR-10

## Contact Songhan Plastic Technology Co.,Ltd.

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