

Dow Nordel® IP 4520 Molded Brake Part

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

Material Notes:

FormulationNordel® IP 4520

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4520-Molded-Brake-Part.php

Physical Properties	Metric	English	Comments
Density	1.116 g/cc	0.04032 lb/in ³	
Mooney Viscosity	82 @Temperature 100 °C	82 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	18.8 MPa	2730 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	155 %	155 %	Vulcanizate, Press cured, TC95 +3min at 160°C
50% Modulus	0.00380 GPa	0.551 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.0104 GPa	1.51 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	17.0 kN/m	97.0 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	7.0 % @Temperature 125 °C	7.0 % @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

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