

Dow Nardel® IP 4640 Dense Extruded Profile

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

Material Notes:

FormulationNardel® IP 4640

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nardel-IP-4640-Dense-Extruded-Profile.php

Physical Properties	Metric	English	Comments
Density	1.185 g/cc	0.04281 lb/in ³	
Mooney Viscosity	37 @Temperature 100 °C	37 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61	61	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	8.30 MPa	1200 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	330 %	330 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00310 GPa	0.450 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
200% Modulus	0.00670 GPa	0.972 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.00800 GPa	1.16 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	31.6 kN/m	180 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	90 % @Temperature 125 °C	90 % @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	-38.0 °C	-36.4 °F	Temperature Retraction, TR-10

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