

Dow Nordel® IP 4570 Dense Extruded Profile

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

Material Notes:

FormulationNordel® IP 4570

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4570-Dense-Extruded-Profile.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
Mooney Viscosity	80 @Temperature 100 °C	80 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	11.0 MPa	1600 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	355 %	355 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00440 GPa	0.638 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.0101 GPa	1.46 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	29.9 kN/m	171 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	66 % @Temperature 100 °C	66 % @Temperature 212 °F	Pellets cured MDR TC95 + 15 min at 160°C, 22 hr at 100°C; Method B

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-39.0 °C	-38.2 °F	Temperature Retraction, TR-10

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