

Dow Nordel® IP 4570 General Purpose Compound

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-General-Purpose-Compound.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in³	
Mooney Viscosity	64 @Temperature 100 °C	64 @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	11.1 MPa	1610 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	330 %	330 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00340 GPa	0.493 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	24.5 kN/m	140 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	31 % @Temperature 100 °C	31 % @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	-45.0 °C	-49.0 °F	Temperature Retraction, TR-10

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