

Dow Nordel® IP 4570 Heat Resistant Peroxide 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-Heat-Resistant-Peroxide-Compound.php

Physical Properties	Metric	English	Comments
Density	1.055 g/cc	0.03811 lb/in ³	
Mooney Viscosity	122 @Temperature 100 °C	122 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	Vulcanizate, Press cured, TC95 +3min at 180°C
Tensile Strength, Ultimate	18.9 MPa	2740 psi	Vulcanizate, Press cured, TC95 +3min at 180°C
Elongation at Break	255 %	255 %	Vulcanizate, Press cured, TC95 +3min at 180°C
50% Modulus	0.00190 GPa	0.276 ksi	Vulcanizate, Press cured, TC95 +3min at 180°C
100% Modulus	0.00400 GPa	0.580 ksi	Vulcanizate, Press cured, TC95 +3min at 180°C
200% Modulus	0.0126 GPa	1.83 ksi	Vulcanizate, Press cured, TC95 +3min at 180°C
Tear Strength	22.1 kN/m	126 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 180°C
Compression Set	3.0 % @Temperature 100 °C	3.0 % @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	-47.0 °C	-52.6 °F	Temperature Retraction, TR-10

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