

Dow Nordel® IP 4770R Heat Resistant Peroxide Compound

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

Material Notes:

FormulationNordel® IP 4770R

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4770R-Heat-Resistant-Peroxide-Compound.php

Physical Properties	Metric	English	Comments
Density	1.064 g/cc	0.03844 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	Vulcanizate, Press cured, TC95 +3min at 180°C
Tensile Strength, Ultimate	26.1 MPa	3790 psi	Vulcanizate, Press cured, TC95 +3min at 180°C
Elongation at Break	266 %	266 %	Vulcanizate, Press cured, TC95 +3min at 180°C
100% Modulus	0.00560 GPa	0.812 ksi	Vulcanizate, Press cured, TC95 +3min at 180°C
200% Modulus	0.0170 GPa	2.47 ksi	Vulcanizate, Press cured, TC95 +3min at 180°C
Tear Strength	30.6 kN/m	175 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 180°C
Compression Set	61 % @Temperature 125 °C	61 % @Temperature 257 °F	Pellets cured MDR t'95 + 15 min, 70 hr; Method B

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-28.0 °C	-18.4 °F	Temperature Retraction, TR-10

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