

Dow Nordel® IP 4770R Highly Extended Low-Cost Hose

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-Highly-Extended-Low-Cost-Hose.php

Physical Properties	Metric	English	Comments
Density	1.339 g/cc	0.04837 lb/in ³	
Mooney Viscosity	21 @Temperature 100 °C	21 @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	7.00 MPa	1020 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	492 %	492 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00200 GPa	0.290 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
200% Modulus	0.00390 GPa	0.566 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.00520 GPa	0.754 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	31.0 kN/m	177 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	75 % @Temperature 125 °C	75 % @Temperature 257 °F	Pellets cured MDR t'95 + 15 min, 70 hr; Method B

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-15.0 °C	5.00 °F	Temperature Retraction, TR-10

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