

Dow Nordel® IP 4725P High Hardness Extruded Profile

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

Material Notes:

FormulationNordel® IP 4725P

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4725P-High-Hardness-Extruded-Profile.php

Physical Properties	Metric	English	Comments
Density	1.283 g/cc	0.04635 lb/in ³	
Mooney Viscosity	44 @Temperature 100 °C	44 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	Vulcanizate, Press cured, TC95 +3min at 160°C
Hardness, Shore D	46	46	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	15.13 MPa	2194 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	213 %	213 %	Vulcanizate, Press cured, TC95 +3min at 160°C
50% Modulus	0.00570 GPa	0.827 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00843 GPa	1.22 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
200% Modulus	0.01448 GPa	2.100 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	53 % @Temperature 100 °C	53 % @Temperature 212 °F	Pellets cured MDR TC95 + 15 min at 160°C, 22 hr at 100°C; Method B

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