



## NORDEL IP 4725P

Hydrocarbon Rubber

NORDEL™ IP 4725P Hydrocarbon Rubber is a low viscosity semi-crystalline grade which offers ease of processing, fast cure rates, and high states of cure with standard sulfur cure systems. It is designed for molded and extruded applications requiring low viscosity, high green strength, and high finished hardness. It is ideally suited for high hardness extruded profiles and molded goods. It can also be peroxide cured.

### Main Characteristics

- Semi-crystalline
- Medium diene
- Low molecular weight
- Good green strength
- Complies with U.S. FDA 21 CFR 177.2600, U.S. FDA 21 CFR 175.105.<sup>(1)</sup> Consult the regulations for complete details.

### Applications

- High hardness extruded profiles and molded goods
- Hoses

### Properties<sup>(2)</sup>

Typical Polymer	Test Method	Value
Mooney Viscosity, ML 1 + 4 @ 125°C	ASTM D 1646	25
Polymer Composition, mass %		
Ethylene	ASTM D 3900	70
Propylene	ASTM D 3900	25
Ethylidenenorbornene	ASTM D 6047	5.0
Molecular Weight Distribution	Dow Method	Medium
Product Density, g/cc	ASTM D 297	0.88
Residual Transition Metal, ppm	Dow Method	10 maximum
Ash Content, mass %	ASTM D 296	0.1 maximum
Total Volatiles, mass %	Dow Method	0.4 maximum
Product Form		Pellets

(1) Adhesives only.

(2) These are typical properties only and are not to be regarded as sales specifications.

### Storage and Handling

The quality of EPDM products may be affected by exposure to artificial or natural light. This product should be stored indoors in its original packaging and out of direct sunlight.

## Product Stewardship

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- use in cardiac prosthetic devices regardless of the length of time involved; (Cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices);
- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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## Additional Information

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