

NORDEL™ IP 4770R

Hydrocarbon Rubber

Overview

NORDEL™ IP 4770R Hydrocarbon Rubber is a high molecular weight semi-crystalline grade and offers fast cure rates and high states of cure with standard sulfur cure systems. It offers high green strength and high extensibility. It is designed for extruded applications such as profiles and hoses. It is also suitable for molded goods. This grade is available in rod form for improved mixing speed and throughput.

Main Characteristics:

- Semi-crystalline
- Medium diene
- High molecular weight
- High green strength
- Complies with
 - U.S. FDA 21 CFR 177.2600,
 - U.S. FDA 21 CFR 177.1520 (See NOTES 1),
 - U.S. FDA 21 CFR 175.105 (See NOTES 2),
 - U.S. FDA 21 CFR 177.1210.
 - Consult the regulations for complete details.

Applications:

- Extruded profiles/weather strip
- General purpose hoses
- Coolant hoses
- General moldings

NOTES:

- (1) Can be used in contact with all foods except water in oil emulsions, high or low fat, and low moisture fats and oil.
 (2) Adhesives only.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.870 g/cm ³	0.870 g/cm ³	ASTM D297
Ethylene Content	70.0 wt%	70.0 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	5.0 wt%	5.0 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	70 MU	70 MU	ASTM D1646
Ash Content	< 0.1 wt%	< 0.1 wt%	ASTM D296
Molecular Weight Distribution	Medium	Medium	Dow Method
Propylene Content	25.0 wt%	25.0 wt%	ASTM D3900
Residual Transition Metal	< 10 ppm	< 10 ppm	Dow Method
Volatile Matter	< 0.40 wt%	< 0.40 wt%	Dow Method

Additional Information

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.

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

