



NORDEL™ IP 4760P

Hydrocarbon Rubber

Overview

NORDEL™ IP 4760P Hydrocarbon Rubber is a semi-crystalline, ethylene-propylene-diene (EPDM) terpolymer. The polymer's unique bimodal ethylene distribution provides a balance of processing characteristics not seen in other semicrystalline EPDMs. NORDEL IP 4760P provides better low temperature performance and higher green strength compared to a competitive control polymer.

Main Characteristics:

- Semi-crystalline
- Medium diene
- Bimodal ethylene distribution
- Balance of low temperature properties and 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
- Hoses

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	67.5 wt%	67.5 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	5.0 wt%	5.0 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	60 MU	60 MU	ASTM D1646
Molecular Weight Distribution	Medium	Medium	Dow Method
Propylene Content	27.5 wt%	27.5 wt%	ASTM D3900

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.

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