NORDEL™ IP 4785HM
Hydrocarbon Rubber

Overview

NORDEL IP 4785HM Hydrocarbon Rubber is a high 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 high viscosities, high green strength, and high filler capacity. It is ideally suited for a wide range of extruded profiles and molded goods. It can also be peroxide cured.

Main Characteristics

- Semi-crystalline
- Medium Diene levels
- Good Green Strength
- Pellet Form for Fast Mixing
- Low Gel Content

Complies with:

- U.S. FDA 21 CFR 175.105: Adhesives only
- U.S. FDA 21 CFR 177.1210
- U.S. FDA 21 CFR 177.1520(c)3.4
- U.S. FDA 21 CFR 177.2600
- Consult the regulations for complete details.

Applications

- Extruded Profiles
- Automotive Weather Stripping
- Hose and Tubing

Storage and Handling

- NORDEL IP 4785HM Hydrocarbon Rubber should be stored indoors in its original packaging. The quality of EPDM products may be affected by exposure to artificial or natural light. The polymer should be stored in a cool environment to maintain the as received pellet condition.

Product Form

- The product is typically a pellet but may with time change into a friable bale.

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.880	g/cm³	0.880	g/cm³	ASTM D297
Ethylene Content	68.0	wt%	68.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	4.9	wt%	4.9	wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	85	MU	85	MU	ASTM D1646
Ash Content	< 0.1	wt%	< 0.1	wt%	ASTM D296
Molecular Weight Distribution	Medium		Medium		Dow Method
Propylene Content	27.1	wt%	27.1	wt%	ASTM D3900
Residual Transition Metal	< 10	ppm	< 10	ppm	Dow Method
Total Volatiles	0.4	wt%	0.4	wt%	Dow Method

Notes

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