



Technical Data Sheet

NORDEL™ 4771 XFL EPDM Hydrocarbon Rubber

Overview

NORDEL™ 4771 XFL EPDM Hydrocarbon Rubber is a high molecular weight semi-crystalline grade designed for extruded applications. Its broad molecular weight distribution provides good mixing and dispersion performance. Combination of high molecular weight and high crystallinity offers high green strength and high extensibility. It is suited for extruded applications such as profiles and hoses. It is also suitable TPV applications.

Main Characteristics:

- Semi-crystalline
- Medium diene
- High molecular weight
- High green strength

Applications:

- Hoses
- Extruded profiles/weatherstrip
- TPV
- Plastics modification

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

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.

Sustainability Attribute:



Properties

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method ¹
Density	0.872	g/cm ³	0.872	g/cm ³	ASTM D297
Ethylene Content	70.5	wt%	70.5	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	4.9	wt%	4.9	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	Broad		Broad		Dow Method
Propylene Content	24.6	wt%	24.6	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.					

1. ASTM: American Society for Testing and Materials

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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Medical Applications Policy (Cont.)

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