



# NORDEL™ 4771 XFL EPDM

## Hydrocarbon Rubber

### Overview

NORDEL™ 4771 XFL EPDM 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.

Consult the regulations for complete details.

#### 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	0.872 g/cm <sup>3</sup>	0.872 g/cm <sup>3</sup>	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.

#### Notes

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

