



Technical Data Sheet

NORDEL™ 3765 XFL EPDM Hydrocarbon Rubber

Overview

NORDEL™ 3765 XFL EPDM Hydrocarbon Rubber is a medium viscosity, medium ethylene ethylene-propylene-diene terpolymer (EPDM) having a moderate cure rate that is suited to applications where low modulus, good elongation, as well as heat and weather resistance are required.

Sustainability Attribute:



Main Characteristics:

- Medium crystalline
- Low diene
- High molecular weight
- Heat and UV stable

Applications:

- Impact modification
- Wire and cable
- Peroxide cured heat resistant hose
- Sulfur cured waterproofing membranes

Complies with:

- U.S. FDA 21 CFR 177.2600
- U.S. FDA 21 CFR 175.1520 (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 Properties

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method ¹
Density	0.870	g/cm ³	0.870	g/cm ³	ASTM D297
Ethylene Content	67.0	wt%	67.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	2.5	wt%	2.5	wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	65	MU	65	MU	ASTM D1646
Molecular Weight Distribution	Broad		Broad		Dow Method
Propylene Content	30.5	wt%	30.5	wt%	ASTM D3900
Volatile Matter	< 0.40	wt%	< 0.40	wt%	Dow Method

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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