



NORDEL™ 6530 XFC EPDM Hydrocarbon Rubber

Overview

NORDEL™ 6530 XFC EPDM Hydrocarbon Rubber is an amorphous EPDM grade designed for extrusion and molded applications that require fast cure conditions and rapid property build. The combination of low viscosity, broad molecular weight distribution, and low crystallinity allows for good balance of processability, low-temperature properties and performance. It is ideally suited for fast extrusion, injection and transfer molded brake parts, corner moldings, general-purpose gaskets, and moldings. The combination of low viscosity and low crystallinity allows for good processability, low temperature properties, and product performance without the addition of a plasticizer.

Main Characteristics:

- Amorphous
- High diene
- Low viscosity
- Good low temperature properties

Applications

- Injection and transfer molded articles
- Extruded profiles
- General purpose gaskets

Complies with:

- U.S. FDA 21 CFR 177.2600 (See Note 1)
- U.S. FDA 21 CFR 175.105 (See Note 2)

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.

Sustainability Attribute:



Physical Properties

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method ¹
Density	0.860	g/cm ³	0.860	g/cm ³	ASTM D297
Ethylene Content	55.0	wt%	55.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	8.5	wt%	8.5	wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	30	MU	30	MU	ASTM D1646
Ash Content	< 0.1	wt%	< 0.1	wt%	ASTM D296
Molecular Weight Distribution	Broad		Broad		Dow Method
Propylene Content	36.5	wt%	36.5	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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