



Technical Data Sheet

NORDEL™ IP 3430 Hydrocarbon Rubber

Overview

NORDEL™ IP 3430 Hydrocarbon Rubber is an amorphous, very low diene-containing ethylene-propylene-diene terpolymer (EPDM) and is suitable for peroxide cured articles. NORDEL™ IP 3430 Hydrocarbon Rubber can also be blended with butyl rubber to improve processing and vulcanize properties of automotive and bicycle tire innertubes.

Main Characteristics:

- Amorphous
- Very low diene
- Low molecular weight
- Heat and UV stable

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.

Applications:

- Blend component with butyl rubber in innertubes
- Peroxide cured molded parts

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	42.0	wt%	42.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.8	wt%	0.8	wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	27	MU	27	MU	ASTM D1646
Ash Content	< 0.1	wt%	< 0.1	wt%	ASTM D5667
Molecular Weight Distribution	Narrow		Narrow		Dow Method
Propylene Content	57.0	wt%	57.0	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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