



# NORDEL™ IP 4520 Hydrocarbon Rubber

## Overview

NORDEL™ IP 4520 Hydrocarbon Rubber is an amorphous ethylene-propylene-diene terpolymer (EPDM) grade designed for molded applications. It is ideally suited for 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
- Medium diene
- Low molecular weight
- Good low temperature properties

- Complies with

U.S. FDA 21 CFR 177.2600,

U.S. FDA 21 CFR 175.105 (Adhesives only).

Consult the regulations for complete details.

### Applications:

- Injection and transfer molded brake parts
- General purpose gaskets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.860 g/cm <sup>3</sup>	0.860 g/cm <sup>3</sup>	ASTM D297
Ethylene Content	50.0 wt%	50.0 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	5.0 wt%	5.0 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	20 MU	20 MU	ASTM D1646
Ash Content	< 0.1 wt%	< 0.1 wt%	ASTM D296
Molecular Weight Distribution	Medium	Medium	Dow Method
Propylene Content	45.0 wt%	45.0 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.

## Notes

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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## Additional Information

<b>North America</b>		<b>Europe/Middle East</b>	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+31-11567-2626
	1-989-832-1426	Italy:	+800-783-825
Mexico:	+1-800-441-4369		
<b>Latin America</b>		<b>South Africa</b>	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	<b>Asia Pacific</b>	+800-7776-7776
Mexico:	+52-55-5201-4700		+603-7965-5392

[www.dowplastics.com](http://www.dowplastics.com)

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