



Technical Data Sheet

NORDEL™ IP 3722P EL Hydrocarbon Rubber

Overview

NORDEL™ IP 3722P EL Hydrocarbon Rubber is a semi-crystalline, very low diene-containing polymer with low viscosity for good processability. The low unsaturation provides excellent long term thermal and UV stability. It is specially designed for medium voltage wire and cable applications. It can also be used in peroxide-cured molded and other extruded applications. NORDEL™ IP 3722P EL Hydrocarbon Rubber is made via INSITE™ technology.

Sustainability Attribute:



Main Characteristics:

- Semi-crystalline
- Very low diene
- Low molecular weight
- Heat and UV stable

Applications:

- Low and medium voltage wire and cable
- Peroxide-cured, heat resistant moldings for wire and cable applications

Complies with:

U.S. FDA 21 CFR 177.2600
 U.S. FDA 21 CFR 175.105 (Adhesives only)
 EU, No 10/2011

Consult the regulations for complete details.

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	70.5	wt%	70.5	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.5	wt%	0.5	wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	20	MU	20	MU	ASTM D1646



Physical Properties (Cont.)

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method
Ash Content	< 0.1	wt%	< 0.1	wt%	ASTM D296
Molecular Weight Distribution	Medium		Medium		Dow Method
Propylene Content	29.0	wt%	29.0	wt%	ASTM D3900
Residual Transition Metal	< 10	ppm	< 10	ppm	Dow Method
Volatile Matter	< 0.40	wt%	< 0.40	wt%	Dow Method
Electrical					
Dissipation Factor	< 3.0		< 3.0		ASTM D150

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.

