



EPDM 722P

Hydrocarbon Rubber

Overview

EPDM 722P 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. EPDM 722P is developmental and made via INSITE* technology.

Main Characteristics:

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

Applications:

- Medium voltage wire and cable
- Peroxide cured, heat resistant moldings

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	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.870 g/cm ³	0.870 g/cm ³	ASTM D297
Ethylene Content	68.5 to 72.5 wt%	68.5 to 72.5 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.1 to 1.0 wt%	0.1 to 1.0 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	15 to 23 MU	15 to 23 MU	ASTM D1646
Ash Content	< 0.1 wt%	< 0.1 wt%	ASTM D5667
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

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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Published: 2010-09-02

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