



EPDM 720P

Hydrocarbon Rubber

Overview EPDM 720P is a semi-crystalline, very low diene-containing ethylene-propylene-diene terpolymer (EPDM) and has a low viscosity for excellent processing characteristics and low unsaturation for stability during long term exposures to heat and ultraviolet (UV) light. It is designed for extrusion and molding processes in low and medium extension compounds and can be peroxide cured. In addition, this polymer can be used for modification of thermoplastic materials such as polyethylene or polypropylene.

Main Characteristics:

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

Applications:

- Plastics modification such as polyethylene or polypropylene
- Peroxide cured, heat resistant moldings

Complies with

- U.S. FDA 21 CFR 177.2600
- U.S. FDA 21 CFR 175.105 (Adhesives only)

Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.880 g/cm ³	0.880 g/cm ³	ASTM D297
Ethylene Content	67.0 to 71.5 wt%	67.0 to 71.5 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))	16 to 24 MU	16 to 24 MU	ASTM D1646
Ash Content	< 0.1 wt%	< 0.1 wt%	ASTM D5667
Molecular Weight Distribution	Medium	Medium	Dow Method
Propylene Content	30.5 wt%	30.5 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.

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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