

EPDM 720P

Hydrocarbon Rubber

The Dow Chemical Company

Message:

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.

| General Information | | | |
|-------------------------------------|---------------|---------------------|-----------------|
| Agency Ratings | | FDA 21 CFR 175.105 | |
| | | FDA 21 CFR 177.2600 | |
| Forms | | Particle | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.880 | g/cm ³ | ASTM D297 |
| Mooney Viscosity (ML 1+4, 125°C) | 16 - 24 | MU | ASTM D1646 |
| Ethylene Content | 67.0 - 71.5 | wt% | ASTM D3900 |
| Ethylidene Norbornene (ENB) Content | 0.1 - 1.0 | wt% | ASTM D6047 |
| Propylene content | 30.5 | wt% | ASTM D3900 |
| Residual conversion metal | | ppm | Internal method |
| Molecular Weight Distribution | Medium | | Internal method |
| Ash Content | | wt% | ASTM D5667 |
| Volatile Matter | | wt% | Internal 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.

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