

EPDM 745P

Hydrocarbon Rubber

The Dow Chemical Company

Message:

EPDM 745P is a semi-crystalline, very low diene-containing ethylene-propylene-diene terpolymer (EPDM) and has a narrow molecular weight distribution. It is designed for property modification of thermoplastics such as polyethylene and polypropylene and can be used in peroxide cured rubber compounds.

Main Characteristics:

- Semi-crystalline
- Very low diene
- Medium molecular weight and narrow molecular weight distribution
- Heat and UV stable

Applications:

- Plastics modification such as polyethylene or polypropylene
- Peroxide cured moldings

Notes:

Can be used in contact with all foods except water in oil emulsions, high or low fat, and low moisture fats and oil.

Adhesives only.

Complies with

- U.S. FDA 21 CFR 177.2600
- U.S. FDA 21 CFR 175.1520
- U.S. FDA 21 CFR 175.105
- U.S. FDA 21 CFR 177.1210

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 175.1520		
	FDA 21 CFR 177.1210		
	FDA 21 CFR 177.2600		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D297
Mooney Viscosity (ML 1+4, 125°C)	41 - 49	MU	ASTM D1646
Ethylene Content	68.0 - 72.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.1 - 1.0	wt%	ASTM D6047
Propylene content	29.5	wt%	ASTM D3900
Residual conversion metal		ppm	Internal method
Molecular Weight Distribution	Narrow		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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