

EPDM 764P

Hydrocarbon Rubber

The Dow Chemical Company

Message:

EPDM 764P is a semi-crystalline, ethylene-propylene-diene (EPDM) terpolymer. The polymer's unique bimodal ethylene distribution provides a balance of processing characteristics not seen in other semicrystalline EPDMs. EPDM 764P provides better low temperature performance and higher green strength compared to a competitive control polymer.

Main Characteristics:

Semi-crystalline

Medium diene

Bimodal ethylene distribution

Balance of low temperature properties and high green strength

Applications:

Extruded profiles

Hoses

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 177.1520

U.S. FDA 21 CFR 175.105

U.S. FDA 21 CFR 177.1210

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

Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.870	g/cm ³	ASTM D297
Mooney Viscosity (ML 1+4, 125°C)	55 - 65	MU	ASTM D1646
Ethylene Content	65.5 - 69.5	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	4.5 - 5.3	wt%	ASTM D6047
Propylene content	27.5	wt%	ASTM D3900
Molecular Weight Distribution	Medium		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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