

EPDM 785

Hydrocarbon Rubber

The Dow Chemical Company

Message:

EPDM 785 Hydrocarbon Rubber is a high viscosity semi-crystalline grade which offers ease of processing, fast cure rates, and high states of cure with standard sulfur cure systems. It is designed for molded and extruded applications requiring high viscosities, high green strength, and high filler capacity. It is ideally suited for a wide range of extruded profiles and molded goods. It can also be peroxide cured.

Main Characteristics

- Semi-crystalline
- Medium Diene levels
- Good Green Strength
- Pellet Form for Fast Mixing
- Low Gel Content
- Complies with:
 - U.S. FDA 21 CFR 175.105: Adhesives only
 - U.S. FDA 21 CFR 177.1210
 - U.S. FDA 21 CFR 177.1520(c)3.4
 - U.S. FDA 21 CFR 177.2600

Consult the regulations for complete details.

Applications

- Extruded Profiles
- Automotive Weather Stripping
- Hose and Tubing
- Storage and Handling

EPDM 785 Hydrocarbon Rubber should be stored indoors in its original packaging. The quality of EPDM products may be affected by exposure to artificial or natural light. The polymer should be stored in a cool environment to maintain the as received pellet condition.

Product Form

The product is typically a pellet but may with time change into a friable bale.

General Information			
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 177.1210		
	FDA 21 CFR 177.1520(c) 3.4		
	FDA 21 CFR 177.2600		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D297
Mooney Viscosity (ML 1+4, 125°C)	80 to 91	MU	ASTM D1646
Ethylene Content	67.0 to 71.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	4.5 to 5.3	wt%	ASTM D6047
Ash Content	< 0.1	wt%	ASTM D296
Molecular Weight Distribution	Medium		Internal Method
Propylene Content	27.1	wt%	ASTM D3900
Residual Transition Metal	< 10	ppm	Internal Method
Volatile Matter	0.40	wt%	Internal Method

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