

# NORDEL™ IP 4785HM

Hydrocarbon Rubber

The Dow Chemical Company

## Message:

NORDEL IP 4785HM 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

NORDEL IP 4785HM 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 2		
	FDA 21 CFR 177.1210		
	FDA 21 CFR 177.1520(c) 3.4		
	FDA 21 CFR 177.2600		
Forms	Pellets 3		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm <sup>3</sup>	ASTM D297
Mooney Viscosity (ML 1+4, 125°C)	85	MU	ASTM D1646
Ethylene Content	68.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	4.9	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
Total Volatiles	0.4	wt%	Internal Method

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