

# NORDEL™ IP 3745P

Hydrocarbon Rubber

The Dow Chemical Company

Message:

641 NORDEL™IP 3745P hydrocarbon rubber is a semi-crystalline ethylene-propylene-diene terpolymer (EPDM) with extremely low diene content, with a narrow molecular weight distribution. The product is applied to performance modification such as polyethylene and polypropylene, and can be used for peroxide-cured rubber blends.

Main features:

semicrystallization

very low diene content

Medium molecular weight, narrow molecular weight distribution

stable heat and ultraviolet resistance

Comply with the following regulations

U.S. Food and Drug Administration Regulation 21 CFR 177.2600,

U.S. Food and Drug Administration Regulation 21 CFR 177.1520 (see Note 1),

U.S. Food and Drug Administration Regulation 21 CFR 175.105 (see Note 2),

U.S. Food and Drug Administration Regulation 21 CFR 177.1210.

EU, No 10/2011

please consult the regulations for complete details.

Application field:

Plastic modification such as polyethylene and polypropylene

Peroxide cured Molded Products

remarks:

(1) can be used to contact all types of food, except oil emulsion water, high-fat or low-fat food, low-humidity fat and oil food.

(2) Adhesive only.

General Information			
Agency Ratings	FDA 21 CFR 175.105 2		
	FDA 21 CFR 177.1210		
	FDA 21 CFR 177.1520 3		
	FDA 21 CFR 177.2600		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm <sup>3</sup>	ASTM D297
Mooney Viscosity (ML 1+4, 125°C)	45	MU	ASTM D1646
Ethylene Content	70.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.5	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			

存放和处理:暴露在人造光或自然光中可能影响 EPDM 产品的质量.此产品应采用其原始包装并存放在室内,同时避免阳光直射.

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