

EPDM 430

Hydrocarbon Rubber

The Dow Chemical Company

Message:

EPDM 430 is an amorphous, very low diene-containing ethylene-propylene-diene terpolymer (EPDM) and is suitable for peroxide cured articles. EPDM 430 can also be blended with butyl rubber to improve processing and vulcanizate properties of automotive and bicycle tire innertubes.

Main Characteristics:

Amorphous

Very low diene

Low molecular weight

Heat and UV stable

Applications:

Blend component with butyl rubber in innertubes

Peroxide cured molded parts

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	0.860	g/cm ³	ASTM D297
Mooney Viscosity (ML 1+4, 125°C)	23 - 31	MU	ASTM D1646
Ethylene Content	40.0 - 44.0	wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.6 - 1.0	wt%	ASTM D6047
Propylene content	57.0	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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