



# EPDM 430

## Hydrocarbon Rubber

**Overview** 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.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.860 g/cm <sup>3</sup>	0.860 g/cm <sup>3</sup>	ASTM D297
Ethylene Content	40.0 to 44.0 wt%	40.0 to 44.0 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	0.6 to 1.0 wt%	0.6 to 1.0 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	23 to 31 MU	23 to 31 MU	ASTM D1646
Ash Content	< 0.1 wt%	< 0.1 wt%	ASTM D5667
Molecular Weight Distribution	Narrow	Narrow	Dow Method
Propylene Content	57.0 wt%	57.0 wt%	ASTM D3900
Residual Transition Metal	< 10 ppm	< 10 ppm	Dow Method
Volatile Matter	< 0.40 wt%	< 0.40 wt%	Dow 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.

**Notes**

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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