



# EPDM 555

## Hydrocarbon Rubber

### Overview

EPDM 555 is an amorphous EPDM grade designed for foamed extruded applications. It is ideally suited for sponge extruded profiles requiring fast cure conditions. The combination of high viscosity and low crystallinity allows for good balance of processability, extensibility, low-temperature properties and performance. The product features improved mixing and extrusion characteristics, suitable for class A surface manufacturing with improved shape stability of the green compound.

Main Characteristics:

- Amorphous
- High diene
- High molecular weight
- Good low temperature properties

Applications:

- Extruded profiles
- Coolant hoses

Complies with:

- U.S. FDA 21 CFR 175.105 (See NOTES 2),

Consult the regulations for complete details.

NOTES:

- (1) Can be used in contact with all foods except water in oil emulsions, high or low fat, and low moisture fats and oil.  
 (2) Adhesives only.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.862 g/cm <sup>3</sup>	0.862 g/cm <sup>3</sup>	ASTM D297
Ethylene Content	51.0 to 55.0 wt%	51.0 to 55.0 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	8.0 to 9.0 wt%	8.0 to 9.0 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	50 to 60 MU	50 to 60 MU	ASTM D1646
Ash Content	< 0.1 wt%	< 0.1 wt%	GE
Molecular Weight Distribution	Medium	Medium	Dow Method
Oil Content	23 phr	23 phr	Dow Method
Propylene Content	38.5 wt%	38.5 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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