



Developmental XUS 51110.00 Hydrocarbon Rubber

Overview

XUS 51110.00 Developmental Hydrocarbon Rubber is a medium viscosity, medium ethylene ethylene-propylene-diene terpolymer (EPDM) having a moderate cure rate that is suited to applications where low modulus, good elongation, as well as heat and weather resistance are required. The form is clear pellet. XUS 51110.00 is made from INSITE™ technology.

Main Characteristics:

- Medium crystalline
- Low diene
- High molecular weight
- Heat and UV stable

Complies with:

- U.S. FDA 21 CFR 177.2600
- U.S. FDA 21 CFR 175.1520 (See NOTES 1)
- U.S. FDA 21 CFR 175.105 (See NOTES 2)
- U.S. FDA 21 CFR 177.1210

Consult the regulations for complete details.

Applications:

- Impact modification
- Wire and cable
- Peroxide cured heat resistant hose
- Sulfur cured waterproofing membranes

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	0.868 g/cm ³	0.868 g/cm ³	ASTM D792
Ethylene Content	67.0 wt%	67.0 wt%	ASTM D3900
Ethylidene Norbornene (ENB) Content	2.5 wt%	2.5 wt%	ASTM D6047
Mooney Viscosity (ML 1+4, 257°F (125°C))	65 MU	65 MU	ASTM D1646
Molecular Weight Distribution	Broad	Broad	Dow Method
Propylene Content	30.5 wt%	30.5 wt%	ASTM D3900
Volatile Matter	< 0.40 wt%	< 0.40 wt%	Dow Method

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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Published: 2015-12-01

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