

DuPont Vamac® HVG Unfilled Gum Ethylene-Acrylic Elastomer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Vamac® HVG is an unfilled gum ethylene/acrylic elastomer similar to Vamac® G, but offering higher compound viscosity. The higher viscosity of compounds made with Vamac® HVG results in improved green strength and related processing advantages, such as: Improved collapse resistance of extrudates Enhanced preform dimensional stability Improved moldability through elimination of trapped air Compounds of Vamac® HVG are often selected for applications such as compression molded goods, highly plasticized compounds, and extruded tubing and hose. Vamac® HVG contains a small amount of processing aid. Vamac® HVG is a Vamac® G type polymer with a Mooney Viscosity of 26 compared to 16 for Vamac® G. The two polymers have similar compositions but the Vamac® HVG has a higher molecular weight. They have many common features, including: Good heat resistance in air Good oil and fluid resistance Good low temperature properties Compounded with similar ingredients Cured with same cure package The big advantage of Vamac® HVG over Vamac® G is that the compounds made from the Vamac® HVG have a higher viscosity. The viscosity of the Vamac® HVG compound can be double that of a Vamac® G compound. This can lead to better processing. Specifically, the potential for a collapsed hose is reduced for an extrusion process and the potential for trapped air in an injection molded compound is reduced. Form: Bale size is nominally: 560 mm x 370 mm by 165 mm Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Vamac-HVG-Unfilled-Gum-Ethylene-Acrylic-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Mooney Viscosity	22 - 30 @Temperature 100 °C	22 - 30 @Temperature 212 °F	ML(1+4); ASTM D1646
Collected Volatile Condensable Material	<= 0.50 %	<= 0.50 %	DuPont Test MP 726-1

Descriptive Properties	Value	Comments
Color	Clear	Visual inspection
Odor	Mild acrylic	

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