

Braskem VA2019A EVA Foam Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

The VA2019A is a copolymer of Ethylene-Vinyl Acetate (EVA) with medium vinyl-acetate content. VA2019A is an easy processing product with high compatibility with other thermoplastic and elastomeric resins and mineral loads. Its elasticity is higher than the LDPE of the same MI. It has excellent environmental stress crack resistance (ESCR) and low temperature brittleness. The compounds produced with VA2019A will have lightness, good resistance to deformation, and high retention of color. Crosslinked and/or expanded parts have several applications including: compounds for the footwear (sole, insoles, etc), toys, and gifts industry (produced by injection molding); and polymeric blends.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-VA2019A-EVA-Foam-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM-D1505 / ASTM-D792
ESCR 100% Igepal®	>= 300 hour @Thickness 2.00 mm, Temperature 50.0 °C	>= 300 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Vinyl Acetate Content	18 %	18 %	
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM-D2240
Hardness, Shore D	31	31	ASTM-D2240

Thermal Properties	Metric	English	Comments
Melting Point	87.0 °C	189 °F	ASTM-D3418
Vicat Softening Point	62.0 °C @Load 1.02 kg	144 °F @Load 2.25 lb	ASTM-D1525

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