

# Braskem EVA VA2019A

Ethylene Vinyl Acetate Copolymer

Braskem

## Message:

VA2019A is a copolymer of Ethylene-Vinyl Acetate (EVA) with medium vinyl-acetate content. VA2019A is an easy processing product highly compatible with other thermoplastic and elastomeric resins, and mineral loads. Its elasticity is higher than the LDPE of the same MI. It presents excellent environmental stress crack resistance (ESCR) and low temperature brittleness. Compounds produced with VA2019A will be light, resistant to deformation and with color retention.

### Application:

Crosslinked and/or expanded parts for several applications including compounds for footwear (sole, insoles, etc), toys and freebie industry, produced by injection molding. Polymeric blends.

General Information			
Features	Copolymer		
	Good Color Stability		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
Uses	Footwear		
	Toys		
Agency Ratings	FDA 21 CFR 177.1350		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D792, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, Compression Molded, F50)	> 300	hr	ASTM D1693
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	90		
Shore D, Compression Molded	31		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	62.0	°C	ASTM D1525 <sup>1</sup>
Peak Melting Temperature	87.0	°C	ASTM D3418
NOTE			
1.	Loading 1 (10 N)		

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