SABIC® EVA 2518DF

EHTYLENE-VINYL ACETATE

DESCRIPTION

SABIC EVA 2518DF is designed for foaming applications with low temperature resistance and excellent process ability and elastic behavior. It contains 18% ethylene vinyl acetate copolymer resin with good loading properties with many fillers. SABIC EVA 2518DF contains thermal stabilizer. It does not contain any anti-block nor slip agent. The product is manufactured via autoclave process.

TYPICAL APPLICATIONS

o Foam (footwear, sports, and leisure), thermal insulation, and sealants

o Toys

TYPICAL PROPERTY VALUES

Revision 20220704

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 2.16kg	2.5	g/10 min	ISO 1133
VA Content			
Vinyl content	18	wt%	ISO 8985
MECHANICAL PROPERTIES (1)			
Tensile Strength at Break (2)	20	MPa	ASTM D638
Tensile Elongation at Break (2)	800	%	ASTM D638
Durometer Hardness			
Durometer Hardness (D)	38	D	ASTM D2240
THERMAL PROPERTIES			
Vicat Softening Temperature			
Vicat Softening Temperature*1 @10N	59	°C	ASTM D1525
Melting Temperature			
Melting Point	86	°C	SABIC method

(1) Test specimen preparation method: compression

(2) Test Speed 500 mm/min

PROCESSING CONDITIONS

Typical processing temperature: 150 - 180 ºC.

STORAGE AND HANDLING

SABIC EVA 2518DF should be stored in a dry and cool place with an adequate ventilation and Storage and shall be protected from UV-light at a temperature below 50 ºC. It is advisable to process polyethylene resins within 6 months after the delivery.

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