

**Technical Data**

**Product Description**

Sipchem EVA 2518 is an 18.2% ethylene - vinyl acetate copolymer resin, designed for a variety of foam moulding application; manufactured by IPC† in The Kingdom of Saudi Arabia using an Exxon-Mobil high-pressure tubular process.

EVA 2518 exhibits low melting temperature, excellent processability and mechanical properties.

Applications:  
Foams, Shoe Soles, Injection Moulding, Profile Extrusion and Compounds.

**General**

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>		
Availability	• Africa & Middle East	• Europe	
Features	• Copolymer	• Good Processability	
Uses	• Foam	• Footwear	
Processing Method	• Compounding	• Injection Molding	• Profile Extrusion

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	0.935 g/cm <sup>3</sup>	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5 g/10 min	ASTM D1238
Vinyl Acetate Content	18.2 wt%	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Strength		ASTM D638
Yield	5.20 MPa	
Break	14.7 MPa	
Tensile Elongation		ASTM D638
Yield	260 %	
Break	> 800 %	
Flexural Modulus	60.0 MPa	ASTM D790

Hardness	Nominal Value Unit	Test Method
Durometer Hardness		ASTM D2240
Shore A	90	
Shore D	38	

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	64.0 °C	ASTM D1525
Melting Temperature	87.0 °C	Internal Method

**Notes**

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

