

# COSMOTHENE® EVA H2181

Ethylene Vinyl Acetate Copolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

## Message:

COSMOTHENE EVA is produced by the latest autoclave process technology licensed by Sumitomo Chemical Co. Japan.  
COSMOTHENE EVA have good processability, tough, elastic, good ESCR and good low temperature resistance.

General Information			
Features	Copolymer		
	Excellent Elastic Recovery		
	Good Processability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Low Temperature Resistant		
Uses	Footwear		
	Insulation		
	Toys		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	> 300	hr	ASTM D1693
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	32		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Apparent Bending Modulus	49.0	MPa	ASTM D747
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	63.0	°C	ASTM D1525

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