

COSMOTHENE® EVA KA-31

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE EVA KA-31 is produced by the latest autoclave process technology licensed by Sumitomo Chemical Co. Japan.
COSMOTHENE EVA KA-31 is a high strength EVA grade with good adhesioin strength and provides soft feeling for sheet application.

General Information			
Features	Good Adhesion		
	Soft		
Uses	Sheet		
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 177.1350		
Processing Method	Calendering		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.945	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	26		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.8	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -50.0	°C	JIS K7216
Vicat Softening Temperature	40.0	°C	ASTM D1525
Melting Temperature	70.0	°C	Internal Method
Ring and Ball Softening Point	> 150		ASTM E28

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WECHAT