

COSMOTHENE® EVA KA-40

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE EVA KA-40 is produced by the latest autoclave process technology licensed by Sumitomo Chemical Co. Japan.

COSMOTHENE EVA KA-40 offers good processability, good color stability, transparency and gel control.

COSMOTHENE EVA KA-40 is designed for extrusion/calendering sheet use in solar photovoltaic cell encapsulation.

General Information	
Features	Good Color Stability
	Good Processability
	High Clarity
Uses	Sheet
	Solar Panels
Processing Method	Calendering
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	24		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6.90	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	39.0	°C	ASTM D1525
Melting Temperature	69.0	°C	Internal Method
Ring and Ball Softening Point	129	°C	ASTM E28

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