

COSMOTHENE® EVA MA-10

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE EVA MA-10 is produced by the latest autoclave process technology licensed by Sumitomo Chemical Co. Japan.

COSMOTHENE EVA MA-10 has good processibility, color stability, transparency and gel control.

COSMOTHENE EVA MA-10 is designed for extrusion sheet use in solar photovoltaic cell encapsulation.

General Information			
Features	Good Color Stability		
	High Clarity		
Uses	Sheet		
	Solar Panels		
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 177.1350		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	40	g/10 min	ASTM D1238
Vinyl Acetate Content	32.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	18		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5.90	MPa	ASTM D638
Tensile Elongation (Break)	880	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -50.0	°C	JIS K7216
Vicat Softening Temperature	36.0	°C	ASTM D1525
Melting Temperature	65.0	°C	Internal Method
Ring and Ball Softening Point	118	°C	ASTM E28

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