

Polymer-E M5100

Low Density Polyethylene
Asia Polymer Corporation (APC)

Message:

Polymer-E M5100 is a Low Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Coating Applications. Primary characteristic: good processability.

General Information			
Features	Good Colorability		
	Good Moldability		
Uses	Coating Applications		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.85	MPa	ASTM D638
Tensile Elongation (Break)	240	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	45.0	°C	ASTM D648
Brittleness Temperature	< -60.0	°C	ASTM D746
Vicat Softening Temperature	80.0	°C	ASTM D1525
Melting Temperature	101	°C	Internal Method

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