

Polymer-E C4100

Low Density Polyethylene
Asia Polymer Corporation (APC)

Message:

Polymer-E C4100 is a Low Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific. Applications of Polymer-E C4100 include coating applications and film.

Characteristics include:

Fast Molding Cycle

Good Adhesion

General Information			
Features	Fast Molding Cycle		
	Good Adhesion		
	Good Drawdown		
	Low Neck-In		
Uses	Coating Applications		
	Film		
	Laminates		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	11.8	MPa	ASTM D638
Tensile Elongation (Break)	450	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	54.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	98.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	73		ASTM D2457
Haze	6.3	%	ASTM D1003

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