

# Polymer-E C7100

Low Density Polyethylene  
Asia Polymer Corporation (APC)

Message:

Polymer-E C7100 is a Low Density Polyethylene product. It can be processed by extrusion or extrusion coating and is available in Asia Pacific. Applications of Polymer-E C7100 include coating applications and wire & cable.  
Characteristics include:  
Fast Molding Cycle  
Good Adhesion

General Information	
Features	Fast Molding Cycle
	Good Adhesion
	Good Drawdown
	Low Neck-In
Uses	Coating Applications
	Laminates
	Wire & Cable Applications
Appearance	Natural Color
Processing Method	Extrusion
	Extrusion Coating

Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	10.8	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	48.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	85.0	°C	ASTM D1525

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