

Jamplast Ex-01 PC

Polycarbonate

Jamplast, Inc.

Message:

Jamplast Ex-01 PC is an extrusion grade of PC suitable for profile extrusions and sheet. It is clear or can be ordered precolored

General Information			
Appearance	Clear/Transparent		
	Colors Available		
Processing Method	Cold Foil Stamping		
	Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Water Absorption (Equilibrium, 23°C)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	64.8	MPa	ASTM D638
Tensile Elongation ² (Yield)	110	%	ASTM D638
Flexural Modulus ³	2280	MPa	ASTM D790
Flexural Strength ⁴	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 0.318 mm)	910	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	138	°C	ASTM D648
Vicat Softening Temperature	149	°C	ISO 306/B
Optical	Nominal Value	Unit	Test Method
Transmittance (3200 µm)	89.0	%	ASTM D1003
Haze (3200 µm)	0.80	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.8 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

