



PC 1012

Polycarbonate · Injection Moulding Grade

Also traded as PC Injection Grade · Origin: Iran

MFR (300 °C / 1.2 KG)

10 – 12 g/10 min

DENSITY

1.20 g/cm³

PROCESS

Injection

IZOD (NOTCHED)

≥ 75 kJ/m²

PRODUCT DESCRIPTION

PC 1012 is a medium-viscosity polycarbonate for injection moulding with UV stabilisation and mould-release additives. It combines high impact strength, dimensional stability and good heat resistance for technical and consumer parts.

- Medium viscosity
- UV stabilised
- Mould release
- High impact strength

PROCESSING GUIDE

Process	Injection moulding
Melt temperature	280 – 320 °C
Pre-drying	120 °C, 3 – 4 h
Mould temperature	80 – 110 °C

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (300 °C / 1.2 kg)	ASTM D1238	g/10 min	10 – 12
Density (25 °C)	ASTM D792	g/cm ³	1.20
Mould Shrinkage	ASTM D955	%	0.5 – 0.7
MECHANICAL			
Tensile Strength at Yield	ASTM D638	MPa	62
Modulus of Elasticity	ASTM D638	MPa	2350
Elongation at Break	ASTM D638	%	≥ 100
Izod Impact Strength, notched	ASTM D256	kJ/m ²	≥ 75
Charpy Impact Strength, notched	ASTM D6110	kJ/m ²	≥ 60
THERMAL			
Vicat Softening Temp. (50 N, 50 °C/h)	ASTM D1525	°C	142 – 146
ELECTRICAL			
Dielectric Strength (50 Hz)	ASTM D149	kV/mm	≥ 18
Flammability (1.6 mm)	UL 94	—	V-2

APPLICATIONS



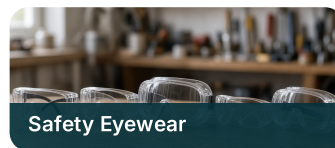
Automotive Lighting



Electrical Housings



Appliance Parts



Safety Eyewear

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

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