TDS TECHNICAL DATA SHEET

PC 0407

Polycarbonate · Extrusion & Sheet Grade

Also traded as **PGPC-0407UR** · Origin: **Iran**

MFR (300 °C / 1.2 KG)	DENSITY	PROCESS	TRANSMITTANCE
4 – 7 g/10 min	1.20 g/cm³	Sheet Extrusion	≥ 90 %

PRODUCT DESCRIPTION

PC 0407 is a low-melt-flow, high-viscosity polycarbonate for extrusion of solid and multi-wall sheet, with UV stabilisation and mould-release additives. It delivers high light transmittance, outstanding impact strength and long-term outdoor performance.

- High melt strength
- UV stabilised for outdoor
- ≥ 90% light transmittance
- Outstanding impact strength

PROCESSING GUIDE

Process	**Solid & multi-wall sheet**
Melt temperature	**260 – 300 °C**
Pre-drying	**120 °C, 4 h**
Form	**Clear pellets**

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (300 °C / 1.2 kg)	ASTM D1238	g/10 min	**4 – 7**
Density (25 °C)	ASTM D792	g/cm³	**1.20**
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/m²	**≥ 80**
THERMAL			
Vicat Softening Temp. (50 N, 50 °C/h)	ASTM D1525	°C	**142 – 146**
OPTICAL			
Light Transmittance (2 mm)	ASTM D1003	%	**≥ 90**
ELECTRICAL			
Dielectric Strength (50 Hz)	ASTM D149	kV/mm	**≥ 18**

APPLICATIONS

- Multi-Wall Sheet
- Solid Sheet & Glazing
- Skylights & Roofing
- Signage & Barriers

PACKAGING

25 kg PE / woven bags

Palletised or jumbo on request

20′ / 40′ container loading

SUPPLY

Sea from Bandar Abbas, road or rail – **agreed per order**

FCA, CPT or DAP – terms in the offer

Pre-shipment inspection & export documents

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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.