

PGPC 2230

Poly Carbonate (PC)

Application

Suitable for Injection Moulding.



PROPERTY	UNIT	VALUE	TEST METHOD	CONDITION
GENERAL PROPERTY				
DENSITY	g/cm ³	1.20	ASTM D-792	-----
MELT FLOW RATE (MFR)	g/10 mins	22.1-30.0	ASTM D-1238	@ 300 ° C 1.2 kgs
MECHANICAL PROPERTY				
TENSILE STRENGTH	MPa	≥ 60	ASTM D-638	@Yield
TENSILE STRESS	MPa	55 -70	ASTM D-638	@ Yield
ELONGATION STRAIN	%	> 50	ASTM D-638	@ Break
MODULUS OF ELASTICITY	MPa	2200 -2400	ASTM D-638	-----
CHARPY IMPACT STRENGTH	Kj/m ²	≥20	ASTM D-256	Notched
BALL INDENTATION	N/mm ²	≥103	DIN 53456	
ELECTRICAL PROPERTY				
DI-ELECTRIC STRENGTH	Kv/mm	≥ 20	ASTM D-149	@ 50 Hz
DI-ELECTRIC CONSTANT	-----	2.8-3.1	ASTM D-150	@ 1 Mhz
LOSS INDEX	-----	0.008 -0.011	ASTM D-150	@ 1 Mhz
LOSS INDEX	-----	0.0008 -0.001	ASTM D-150	@ 50 Mhz
THERMAL PROPERTY				
VICAT SOFTENING	° C	140 -150	ASTM D- 1525	50 N, 50 ° C /h
OPTICAL PROPERTY				
TRANSMITTANCE	%	≥ 80	ASTM D-1003	@ Thickness 2
SOLVENT CONTENT	ppm	500 max	GC	

Producer: Khouzestan Petrochemical Company (KZPC)

Licensor: Salzgitter, Germany

Packing: 500-1000 kg Big Bag 25 Kg Bags

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.