

PGPC 5970

Application: Suitable for Injection Molding.

SR. NO.	PROPERTY	CONDITION	UNIT	TEST METHOD	VALUE
(A)	General Property				
1	Density	-----	g/cm ³	ASTM D-792	1.20
2	Melt Flow Rate (MFR)	@ 300 ° C 1.2 kgs load	g/10 mins	ASTM D-1238	59.1-70.0
(B)	Mechanical Property				
3	Tensile Strength	@Yield	MPa	ASTM D-638	≥ 60
4	Tensile Stress	@ Yield	Mpa	ASTM D-638	55 -70
5	Elongation Strain	@ Break	%	ASTM D-638	> 50
6	Modulus of Elasticity	-----	Mpa	ASTM D-638	2200 -2400
7	Ball Indentation Hardness	-----	N/mm ²	DIN 53456	≥103
(C)	Electrical Property				
8	Di-Electric Strength	@ 50 Hz Diameter=50mm Thickness = 2 mm	Kv/mm	ASTM D-149	≥ 20
9	Di-Electric Constant	@ 1 Mhz	-----	ASTM D-150	2.8-3.1
10	Loss Index	@ 1 Mhz	-----	ASTM D-150	0.008 -0.011
11	Loss Index	@ 50 Mhz	-----	ASTM D-150	0.0008 -0.001
(D)	Thermal Property				
12	Vicat Softening Temperature	50 N, 50 ° C /h	° C	ASTM D- 1525	140 -150
(E)	Optical Property				
13	Transmittance	@ Thickness 2 mm	%	ASTM D-1003	≥ 80
14	Solvent Content	-----	ppm	GC	500 max

Producer: Khuzestan Petrochemical Company (KZPC)

Licensor: Salzgitter , Germany

Packaging : 500-1000 kg Big Bag

25 Kg Bags