

**PGPC 1822**

Application: Suitable for Injection Molding.

SR. NO.	PROPERTY	CONDITION	UNIT	TEST METHOD	VALUE
<b>(A)</b>	<b>General Property</b>				
1	Density	-----	g/cm <sup>3</sup>	ASTM D-792	1.20
2	Melt Flow Rate (MFR)	@ 300 ° C 1.2 kgs load	g/10 mins	ASTM D-1238	18.1-22.0
<b>(B)</b>	<b>Mechanical Property</b>				
3	Tensile Strength	@Yield	MPa	ASTM D-638	≥ 60
4	Tensile Stress	@ Yield	Mpa	ASTM D-638	60-70
5	Elongation Strain	@ Break	%	ASTM D-638	> 80
6	Modulus of Elasticity	-----	Mpa	ASTM D-638	2200 -2400
7	Charpy Impact Strength	Notched	Kj/m <sup>2</sup>	ASTM D-256	≥ 20
8	Ball Indentation Hardness		N/mm <sup>2</sup>	DIN 53456	≥103
<b>(C)</b>	<b>Electrical Property</b>				
9	Di-Electric Strength	@ 50 Hz Diameter=50mm Thickness = 2 mm	Kv/mm	ASTM D-149	≥ 20
10	Di-Electric Constant	@ 1 MHz	-----	ASTM D-150	2.8-3.1
11	Loss Index	@ 1 MHz	-----	ASTM D-150	0.008 -0.011
12	Loss Index	@ 50 MHz	-----	ASTM D-150	0.0008 -0.001
<b>(D)</b>	<b>Thermal Property</b>				
13	Vicat Softening Temperature	50 N, 50 ° C /h	° C	ASTM D-1525	145 -150
<b>(E)</b>	<b>Optical Property</b>				
14	Transmittance	@ Thickness 2 mm	%	ASTM D-1003	≥ 80
15	Solvent Content	-----	ppm	GC	500 max

Producer: Khouzestan Petrochemical Company (KZPC)

Licensor: Salzgitter , Germany

Packaging : 500-1000 kg Big Bag

25 Kg Bags