

**PGPC 3859**

Application: Suitable for Injection Molding .

SR. NO.	PROPERTY	CONDITION	UNIT	TEST METHOD	VALUE
<b>(A) 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	38.1-59.0
<b>(B) Mechanical Property</b>					
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 <sup>2</sup>	DIN 53456	≥103
<b>(C) Electrical Property</b>					
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
<b>(D) Thermal Property</b>					
12	Vicat Softening Temperature	50 N, 50° C /h	° C	ASTM D-1525	140 -150
<b>(E) Optical Property</b>					
13	Transmittance	@ Thickness 2 mm	%	ASTM D-1003	≥ 80
14	Solvent Content		ppm	GC	500 max

Producer: Khouzeestan Petrochemical Company (KZPC)

Licensor: Salzgitter , Germany

Packaging : 500-1000 kg Big Bag

25 Kg Bags