

**NAME: PGPC 3859**

**Application:**

Suitable for Injection Molding.

**Typical data: (Table)**

PROPERTY	CONDITION	UNIT	METHOD	VALUE
General Property				
Density		g/cm <sup>3</sup>	ASTM D-792	1.20
Melt Flow Rate (MFR)	@ 300 ° C 1.2 kgs load	g/10 mins	ASTM D-1238	38.1-59.0
Mechanical Property				
Tensile Strength	@Yield	MPa	ASTM D-638	> 60
Tensile Stress	@ Yield	Mpa	ASTM D-638	55 -70
Elongation Strain	@ Break	%	ASTM D-638	> 50
Modulus of Elasticity		Mpa	ASTM D-638	2200 -2400
Ball Indentation Hardness		N/mm <sup>2</sup>	DIN 53456	>103
Electrical Property				
Di-Electric Strength	@ 50 Hz Diameter=50mm Thickness	Kv/mm	ASTM D-149	> 20
Di-Electric Constant	@ 1 MHz		ASTM D-150	2.8-3.1
Loss Index	@ 1 MHz		ASTM D-150	0.008 -0.011
Loss Index	@ 50 MHz		ASTM D-150	0.0008 -
Thermal Property				
Vicat Softening	50 N, 50° C /h	°C	ASTM D-1525	140 -150
Optical Property				
Transmittance	@ Thickness 2 mm	%	ASTM D-1003	> 80
Solvent Content		ppm	GC	500 max

**Packaging: 25 Kg Bags.**