

PGPC-0407

PC

Persian Gulf Petrochemical Industry Commercial Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5.6	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mechanical properties			
ASTM Data			
Tensile Modulus	2200	MPa	ASTM D 638
Tensile Strength at Yield	60	MPa	ASTM D 638
Elongation at Break	90	%	ASTM D 638
Thermal properties			
ASTM Data			
Vicat Temperature	145	°C	ASTM D 1525
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Optical properties			
ASTM Data			
Light Transmittance	80	%	ASTM D 1003
Other properties			
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-

Characteristics**Processing**

Injection Molding, Sheet Extrusion, Wire/Cable Extrusion, Other Extrusion

Regional Availability

Near East/Africa

Applications

Automotive, IT / Business Machine, Electrical and Electronical, Packaging, Sports Equipment