

PGPC 3038

Application: Suitable for Molding and Film Extrusion.

| 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 | 30.1-38.0 |
| (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: Khouzestan Petrochemical Company (KZPC)

Licensor: Salzgitter , Germany

Packaging : 500-1000 kg Big Bag
25 Kg Bags