



# PASARGAD POLYMER PEYVAND CO

**Grade :** Pasalen 3P-H3130B

| General                 |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Manufacturer / Supplier | Pasargad Polymer Peyvand Co.(3P)                                                                                      |
| Generic Symbol          | Polypropylene (PP)                                                                                                    |
| Filler / Reinforcement  | reinforced by 30% Glass Fiber                                                                                         |
| Color                   | Black                                                                                                                 |
| Forms                   | Pellets                                                                                                               |
| Processing Method       | Injection Molding                                                                                                     |
| Uses                    | Automotive Application<br>Furniture<br>Appliance Components<br>Automotive Exterior Parts<br>Automotive Interior Parts |

| Physical                                  |          | Unit              | Value |
|-------------------------------------------|----------|-------------------|-------|
| Density                                   | ISO 1183 | g/cm <sup>3</sup> | 1.14  |
| Melt Mass-Flow Rate (MFR) (230oC/2.16 kg) | ISO 1183 | gr/10 min         | ..... |

| Mechanical             | Test Method | Unit | Value |
|------------------------|-------------|------|-------|
| Tensile Modulus        | ISO 527-2   | Mpa  | 4400  |
| Tensile Stress (Break) | ISO 527-2   | Mpa  | 65    |
| Tensile Strain (Break) | ISO 527-2   | %    | 4     |

| Impact                                    | Test Method | Unit              | Value |
|-------------------------------------------|-------------|-------------------|-------|
| Charpy Notched Impact Strength<br>23 oC   | ISO 179/1eA | KJ/m <sup>2</sup> | 7     |
| Charpy Unnotched Impact Strength<br>23 oC | ISO 179/1eU | KJ/m <sup>2</sup> | 48    |

| Thermal                                            | Test Method | Unit | Value |
|----------------------------------------------------|-------------|------|-------|
| Heat Deflection Temperature<br>1.8 Mpa, Unannealed | ISO 75-2/C  | oC   | 150   |
| Melting Temperature                                | ISO 11357-3 | oC   | 160   |

| Injection          | Nominal Value Unit |
|--------------------|--------------------|
| Drying Temperature | .....              |
| Drying Time        | .....              |
| Rear Temperature   | .....              |

## Pasargad Polymer Peyvand

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