

GRPlon15GF

15% GLASS FILLED POLYAMIDE 6

GRPlon15GF is an 15% glass filled compounded polyamide 6. It is available in black color with good mechanical properties and melt flow during processing. It is suitable for making general purpose, automotive, industrial and consumer durable products by injection molding process.

TECHNICAL DATASHEET

| Property | ASTM Standard | Unit | Specification |
|------------------------------|---------------|-------|---------------|
| Tensile Strength | D 638 | MPa | 85 ± 5 |
| Elongation at Yield | D 638 | % | 4 ± 0.5 |
| Elongation at Break | D 638 | % | 4.5 ± 0.5 |
| Flexural Strength | D 790 | MPa | 110 ± 5 |
| Flexural Modulus | D 790 | MPa | 4500 ± 100 |
| Notched-Izod Impact Strength | D 256 | J / m | 70 ± 5 |

Typical Applications:

- **Automotive** : Oil tank caps, Switches, Oil filter parts, locks, Fuse holders, Connectors
- **Industrial** : Gears, Textile machinery parts, Bearing cases, Washers
- **Construction** : Window and door components
- **Consumer Goods**: Couplers, Mixer body parts, Relay parts

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