

**Product Description**

10% Glass Fiber, ABS

**General Considerations**

|                     |                     |
|---------------------|---------------------|
| Resin ID (ISO 1043) | · >ABS-G10<         |
| Processing          | · Injection Molding |
| Color               | · Natural           |

- The information below is for informational purposes only and should not be adopted as specification limits.

| Physical                   | Value | Unit              | Method     |
|----------------------------|-------|-------------------|------------|
| Density / Specific Gravity | 1,12  | g/cm <sup>3</sup> | ASTM D 792 |
| Mold Shrinkage             | 0,3   | %                 | ASTM D 955 |
| Water Absorption           | 0,25  | %                 | ASTM D 570 |

| Mechanical                     | Value | Unit    | Method     |
|--------------------------------|-------|---------|------------|
| Tensile Strength               | 55    | MPa     | ASTM D 638 |
| Elongation at Break            | 6     | %       | ASTM D 638 |
| Flexural Strength              | 90    | MPa     | ASTM D 790 |
| Flexural Modulus               | 3790  | MPa     | ASTM D 790 |
| Izod Notched Impact Strength   |       | J/m     | ASTM D 256 |
| 23°C                           | 80    |         |            |
| Izod Unnotched Impact Strength |       | J/m     | ASTM D 256 |
| 23°C                           | 260   |         |            |
| Hardness, Rockwell R           | 105   | Scale R | ASTM D785  |

| Thermal                | Value | Unit | Method     |
|------------------------|-------|------|------------|
| Deflection Temperature |       | °C   | ASTM D 648 |
| 0,45 Mpa               | 102   |      |            |
| 1,82 MPa               | 96    |      |            |
| Flammability           | HB    | --   | UL 94      |

| Process                     |                 | Unit     | Method |
|-----------------------------|-----------------|----------|--------|
| Molding Process Temperature | 215 to 240      | °C       | --     |
| Mold Temperature            | 60 to 90        | °C       | --     |
| Drying                      | 70 to 90/3 to 5 | °C/Hours | --     |

Data contained in this Data Sheet have been obtained in laboratory and reflect the average number of batches produced. This information is current as of the date on which it was authorized to print this. The Petropol reserves the right to alter designs, specifications and information on its products at any time or discontinue them, regardless of any notice or statement without incurring liability of any kind.