

## ABS B7400 70/35

### ABS

MGG Polymers GmbH

The minimum recycled content of this PCR plastic material amounts to 97%.

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 25    | g/10min | ISO 1133      |
| MFI temperature        | 220   | °C      | -             |
| MFI load               | 10    | kg      | -             |

| Mechanical Properties                | Value | Unit  | Test Standard |
|--------------------------------------|-------|-------|---------------|
| <b>ISO Data</b>                      |       |       |               |
| Tensile Modulus                      | 2200  | MPa   | ISO 527       |
| Yield stress                         | 41    | MPa   | ISO 527       |
| Stress at Break                      | 35    | MPa   | ISO 527       |
| Notched Impact Strength (Izod), 23°C | 15    | kJ/m² | ISO 180/1A    |
| Impact Strength (Izod), 23°C         | 43    | kJ/m² | ISO 180/1U    |

| Thermal Properties                      | Value | Unit | Test Standard |
|-----------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                         |       |      |               |
| Vicat softening temperature, 50°C/h 50N | 93    | °C   | ISO 306       |

| Other Properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 1060  | kg/m³ | ISO 1183      |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|-------|------|---------------|
| Pre-drying - Temperature                    | 80    | °C   | -             |
| Pre-drying - Time                           | 3 - 4 | h    | -             |
| Melt temperature                            | 225   | °C   | -             |
| Mold temperature                            | 55    | °C   | -             |

| Processing Recommendation Extrusion | Value | Unit | Test Standard |
|-------------------------------------|-------|------|---------------|
| Pre-drying - Temperature            | 80    | °C   | -             |
| Pre-drying - Time                   | 3 - 4 | h    | -             |
| Melt temperature                    | 210   | °C   | -             |

### Characteristics

#### Processing

Injection Molding, Other Extrusion

#### Features

Copolymer

#### Certifications

Recycled Resin Content

#### Applications

General Purpose