

## ABS C7400 90/04

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   | 24    | 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                       | 36    | MPa               | ISO 527       |
| Notched Impact Strength (Izod), 23 °C | 13    | kJ/m <sup>2</sup> | ISO 180/1A    |
| Impact Strength (Izod), 23 °C         | 32    | kJ/m <sup>2</sup> | ISO 180/1U    |

| Thermal Properties                       | Value | Unit | Test Standard |
|------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                          |       |      |               |
| Vicat softening temperature, 50 °C/h 50N | 91    | °C   | ISO 306       |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 1060  | kg/m <sup>3</sup> | 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

### Delivery form

Black

### Features

Copolymer

### Certifications

Recycled Resin Content

### Applications

General Purpose