

ABS C7400 90/17

ABS

MGG Polymers GmbH

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

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	23	g/10min	ISO 1133
MFI temperature	220	°C	-
MFI load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2200	MPa	ISO 527
Yield stress	40	MPa	ISO 527
Stress at Break	35	MPa	ISO 527
Notched Impact Strength (Izod), 23 °C	13	kJ/m ²	ISO 180/1A
Impact Strength (Izod), 23 °C	33	kJ/m ²	ISO 180/1U

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

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1060	kg/m ³	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