

PS C2413 90/04

PS

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	6	g/10min	ISO 1133
MFI temperature	220	°C	-
MFI load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Stress at Break	24	MPa	ISO 527
Notched Impact Strength (Izod), 23°C	14	kJ/m²	ISO 180/1A
Impact Strength (Izod), 23°C	38	kJ/m²	ISO 180/1U

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50°C/h 50N	85	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1050	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70	°C	-
Pre-drying - Time	1 - 2	h	-
Melt temperature	210	°C	-
Mold temperature	40	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	70	°C	-
Pre-drying - Time	1 - 2	h	-
Melt temperature	190	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Certifications

Recycled Resin Content

Delivery form

Black

Applications

General Purpose