

Laser PP CP 75

PP

Diamond Plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4.5	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	900 ^[1]	MPa	ISO 527
Tensile Strength	12 ^[1]	MPa	ISO 527
Strain at break	6 ^[1]	%	ISO 527
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU

1: X-axis

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	135	°C	ISO 11357-1/-3
Vicat softening temperature, A	119	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	880	kg/m ³	ISO 1183
Bulk density	330	kg/m ³	-

Characteristics**Processing**

Additive Manufacturing, Laser Sintering

Chemical Resistance

General Chemical Resistance

Delivery form

Powder

Certifications

Food contact

Features

Low Warpage, Weldable

Regional Availability

Europe