

## Datasheet for DiaPow PP MF

**DiaPow PP MF is a mineralfilled Polypropylene Laser Sinter Powder.**

Average Particle Size D 50                      40-60 µm  
 Max. Particle Size D 90                         90 µm

**100% reusable**  
**High stiffness**  
**Very good chemical resistance**  
**Painting and welding**  
**Colour: natural white**

Properties	Value	Unit	Testmethod
Density	0,94	g/cm <sup>3</sup>	ISO 1183 A
Apparent Density	0,45	g/cm <sup>3</sup>	DIN 53 466
Melt Flow Index	4,5	g/10 min	ISO 1133
Mechanical values of sintered specimen			
Tensile Strength	15	MPa	ISO 178
Tensile Modulus	1600	MPa	ISO 178
Elongation at break	12	%	ISO 178
Charpy 23°C	10	kJ/m <sup>2</sup>	ISO 179
Thermal Properties			
Vicat A	125	°C	ISO 306
Melting Temperature	135	°C	DIN 53 736

These properties may vary with different scanning parameters.  
 These values reflect our state of knowledge and are not binding.  
 Issued: 31.10.2019

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