



Datasheet for DiaPow PP Diode

DiaPow PP Diode is a black Polypropylene Laser Sinter Powder.

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

100% reusable
Very high elongation
No water absorbtion
Very good chemical resistance
Painting and Welding

Properties	Value	Unit	Testmethod
Density	0,92	g/cm3	ISO 1183 A
Apparent Density	0,372	g/cm3	DIN 53 466
Melt Flow Index	4,5	g/10 min	ISO 1133
Mechanical values of sintered specimen			
Tensile Strength	25	MPa	ISO 178
Tensile Modulus	1000	MPa	ISO 178
Elongation at break	30	%	ISO 178
Charpy 23°C	55	kJ/m ²	ISO 179
Thermal Properties			
Vicat A	119	°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.
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Diamond Plastics GmbH
Guttenburg 20
D-91322 Graefenberg
Germany

Michael Putsch
E: mputsch@diamond-plastics.de
T: +49 (0) 172 8998 226
www.diamond-plastics.de