Arnite®

Arnite® ID 3040

PET

3D printing grade

Print Date: 2019-11-16

Properties	Typical Data	Unit	Test Method
Thermal properties	Value		
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	65	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	71	°C	ISO 75-1/-2
Other properties	Value		
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1340	kg/m³	ISO 1183
Material specific properties	Value		
Tensile modulus (3D printed tensile bars) 45°-45°	2000	MPa	ISO 527-1/-2
Maximum tensile stress (3D printed tensile bars) 45°-45°	47	MPa	ISO 527-1/-2
Elongation at break (3D printed tensile bars) 45°-45°	24	%	ISO 527-1/-2