Creabis
realized conceptions

Datenblatt

TPU CREA90A

1. General properties

Measurement	Method & Conditions	Metric Value
Average particle size (X50)	ISO 13320	**53-63 µm**
PSD max (99%)	Air Jet Sieve	**90 µm**
Powder packed density 23°C	ISO 1068-1975	**0,50 ± 0,05g/cm3**
Part Density 23°C	ISO 61	**1.05± 0,05g/cm3**
Melt flow rate @ 160°C & 2.16kg	ISO 62/1	**4 g/10min**

2. Thermal properties

Measurement	Method & Conditions	Metric Value
Melting point T°m	DSC	**154°C**
Glass transition Temperature T°g	ISO 11357-3	-19±2°C

3. Mechanical properties

Measurement	Method & Conditions	Metric Value
Tensile strength at break	ISO 527-2:93-1B (X direction)	**10 MPa**
Elongation at break	ISO 527-2:93-1B (X direction)	**250 %**
Flexural modulus	ISO 178 (23°C)	**10 MPa**
Short Hardness A	ISO 868 (20°C)	**88-92**