

TRADE NAME:	Fiberlogy PEI 9085
MANUFACTURER:	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION:	PEI 9085 filament designed for printing in FFF/FDM technology, available in different colors, wound on a spool or as refill, vacuum-packed in a plastic bag, placed in a cardboard box.

TECHNICAL INFORMATION:

Diameter:	1.75 mm
Diameter Tolerance:	+/- 0.02 mm
Avg Roundness:	+ 0.01 mm
Net Weight:	0.5 kg
Print Temperature:	350°C - 380°C
Bed Temperature:	160°C
Chamber Temperature:	>80°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.34
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	88
Tensile Strength @ Break	ISO 527	MPa	71
Tensile Modulus	ISO 527	MPa	3050
Elongation @ Yield	ISO 527	%	6.7
Elongation @ Break	ISO 527	%	50
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2750
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	13
Charpy Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	11
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	152
Vicat Softening Temperature	ISO 306	°C	173
FAA Flammability	FAR 25.853	-	<5

The information set forth herein has been gathered from standard reference materials and/or supplier test data. To the best knowledge and belief of Fiberlab S.A. they are accurate and reliable. Information is offered only for your consideration, investigation and verification. Fiberlab S.A. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein combination with any other material or process, and assumes no responsibility therefore.

Last update: April 17, 2024