

Product Texts

To determine the FIL-A-GEHR PC/ABS® data, ISO 527 tensile test specimen were printed on a EVOTECH printer with the following parameters: T_{Print} 280°C, T_{Bed} 90°C, Printing speed 55 mm/s, Slicer Simplify3D

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18 ^[1]	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

1: Data based on raw material

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400 ^[2]	MPa	ISO 527
Yield stress	54 ^[2]	MPa	ISO 527

2: Data based on raw material

Other properties	Value	Unit	Test Standard
Water absorption	0.7 ^[3]	%	Sim. to ISO 62
Density	1130 ^[3]	kg/m ³	ISO 1183

3: Data based on raw material

3D Data	Value	Unit	Test Standard
Tensile modulus, flat	2240	MPa	-
Tensile modulus, upright	2350	MPa	-
Tensile strength, flat	44.7	MPa	-
Tensile strength, upright	18.3	MPa	-

Characteristics

Processing

Additive Manufacturing

Delivery form

Monofilament, Black

Special Characteristics

High impact or impact modified

Features

Good Adhesion, Low Odor, Low Warpage

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe