

Premium ABS

ABS

Formfutura BV

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	5.5	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1860	MPa	ISO 527
Yield stress	36	MPa	ISO 527
Nominal strain at break	9	%	ISO 527
Izod notched impact strength, +23°C	29	kJ/m ²	ISO 180/1A
Ball indentation hardness	71	MPa	ISO 2039-1
Other Standards^{S)}			
Flexural modulus, 23°C	2150	MPa	
Flexural strength	65.7	MPa	

S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	145	°C	ISO 11357-1/-3
Vicat softening temperature, A	92	°C	ISO 306

Other properties	Value	Unit	Test Standard
Water absorption	0.23	%	Sim. to ISO 62
Humidity absorption	1.04	%	Sim. to ISO 62
Density	1030	kg/m ³	ISO 1183

Characteristics

Processing

Additive Manufacturing

Delivery form

Monofilament

Special Characteristics

High impact or impact modified

Features

Low Warpage, Thermal Stability

Regional Availability

Europe