



Technical specification Everfil™ ABSPC

DESCRIPTION

ABSPC (polycarbonate-ABS) is one of the most widely used industrial thermoplastics. **Everfil™ ABSPC** offers the most desirable properties of both materials – the superior strength and heat resistance of PC and the flexibility of ABS. ABSPC blends are commonly used in automotive, electronics and telecommunications applications.

TYPICAL PROPERTY VALUES

Filament	Nominal Value	Unit	Test Method
Filament diameter	1,75 , 2,85	mm	-
Diameter tolerance	+/- 0,03	mm	-
Spool weight	1,0 , 3,0	kg netto	-

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1,04	g/cc	ISO 1133
MFR	5,5	g/10min	ISO 1133
Molding Shrinkage (Flow), 3.2mm	0.4 ~0.8	%	ISO 294-4
Vicat Softening Temperature	98	°C	ISO 306
Clarity	Non transparent		

Mechanical	Nominal Value	Unit	Test Method
Tensile Yield Strength	40	MPa	ISO 527
Rockwell Hardness	100	-	ISO 2039
Tensile Modulus	2,10	MPa	ISO 527
Charpy Impact Strength	33.0 (23°C)	kJ/m2	ISO179/1eA
IZOD Impact Strength	33.0 (23°C)	kJ/m2	ISO 180/1A
Flexural Strength	60	MPa	ISO 178
Flexural Modulus	2,0	MPa	ISO 178
Heat Deflection Temp.	82 (0.45 MPa)	°C	ISO 75/Ae

PRINT CONDITIONS **Everfil™ ABSPC** (may be different for different printers)

3D Printers	Typical Value	Unit
Printing temperature	240 – 255	°C
Bed temperature (if needed)	85 – 100	°C
Cooling (according to design)	10 – 30	%

STORAGE

Filament can't handle moisture very well and that is why we recommend storing your filament in a cool, dry environment, ideally in a package vacuum sealed with silicate.

