

Perform ✓ CBS

Technical Data Sheet

- ✓ Perform ✓ CBS is a high performance PC/ABS filament designed to work on FFF printers for the realization of functional parts.
- ✓ Perform ✓ CBS has excellent impact properties, toughness and other great functional properties like stiffness, durability, and surface finish.

Typical Properties

Property	Test Method	Unit	Typ. Value
Nominal Diameter	-	mm	1.75 / 2.85
Density	ISO 1183	gr/cm ³	1.1
Tensile Modulus	ISO 527	MPa	1980
Tensile Strength	ISO 527	MPa	42
Flexural Strength	ISO 178	MPa	64
Impact Strength IZOD (Notched)	ASTM D256	J/m	241
Elongation	ISO 527	%	6%
HDT @ 0.45 MPa	ISO 75	°C	112

* The above are typical properties for a printed specimen

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	270-285
Plate Temp.	°C	110
Cooling	-	On, low
Print Speed	mm/sec	50-100
Retraction	mm	>5
Drying	°C, hr	100, 4

Perform ✓ CBS adheres well when using glue stick on a heated glass plate

Disclaimer:

Typical properties and recommendations should be regarded as guideline values and not specifications. It is on the user responsibility to carefully evaluate the suitability of the material and its properties to the application