

Perform ✓ Q

Preliminary Technical Data Sheet

- ✓ Perform ✓ Q is a first-of-its-kind filament based on UBQ™ sustainable material and polypropylene resulting in a very low carbon footprint printing material for usage in functional parts.
- ✓ Perform ✓ Q has combination of excellent chemical, thermal and mechanical properties. It's designed to help meet your sustainability goals without compromising on performance and product functionality.

Typical Properties

Property	Test Method	Unit	Typ. Value
Nominal Diameter	-	mm	1.75 / 2.85
Density	ISO 1183	gr/cm ³	0.92
Tensile Modulus	ISO 527	MPa	576
Tensile Strength	ISO 527	MPa	11
Flexural Modulus	ISO 178	MPa	536
Flexural Strength	ISO 178	MPa	12.5
Impact Strength IZOD (Notched)	ASTM D 256	J/m	73

* The above are typical properties for a printed specimen

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	210
Plate Temp.	°C	105
Cooling (first layers)	-	Off
Cooling	-	On, 100%
Print Speed	mm/sec	20-40
Retraction	mm	>6
Brim	mm	>20

Perform ✓ Q is prone to warping and separation from platform. Therefore, the use of adhesion sheets along with PP adhesive (such as Magigoo PP) is strongly recommended. Using glue stick as an alternative adhesion method will be insufficient for reliable adhesion of large prints.

Perform ✓ Q is an abrasive material. It's recommended to use a hardened steel or ruby nozzle - 0.6mm or larger.

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.