

Features

- High strength
- 30% glass
- Heat deformation resistance
- High reusability

Application

- High rigidity requirements
- Wear-resistant environment
- High temperature working conditions

Specification

Mechanical properties	Test method	Metric
Part Color	Visual	Black
Density	ISO1183-1:2019:A	1.25 g/cm ³
Elongation at break	ISO 527-1:2012	6.8 %
Flexural Strength	ISO 178:2019	62.6 MPa
Flexural Modulus	ISO 178:2019	2,340 MPa
Heat Deflection Temperature 0.45Mpa	ISO 75-1:2013	168 °C
Heat Deflection Temperature 1.8Mpa	ISO 75-1:2020	90 °C
Tensile Strength	ISO 527-1:2019	41.7 MPa
Tensile Modulus	ISO 527-1:2019 & ISO 527-1:2012	2,300 MPa
IZOD Impact Strength with notch	ISO 180:2019	4.6 kJ/M ²
IZOD Impact Strength without notch	ISO 180:2019	19 kJ/M ²

Note: 1. The above parameters based on specified test method and heating energy might not be achieved with different conditions.
 2. 15% deviation of test result might happen on different testing platform.
 3. The above data are subject to update without prior notice.



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