

PC20006JBK

(Experimental Grade)

Product description:

PC20006JBK is a product of injection grade of black coloring PC/ABS compound which specially designed for good heat and high impact resistance. It also exhibits high ductility and tensile strength as well as suitable for outdoor applications.

Typical application: Injection molded part for outdoor uses.

Typical properties:

Properties	Unit	Method	Value
<u>Physical and thermal properties</u>			
Melt Flow Rate (MFR) 260 °C, 5 kg	g/10 min	ISO 1133	20
Density	g/cm ³	ISO 1183	1.13
HDT at 0.45 MPa	°C	ISO 75	119
HDT at 1.80 MPa	°C	ISO 75	102
VICAT at 50 N	°C	ISO 306	120
Rockwell Hardness	R-Scale	ISO 2039	108
<u>Mechanical properties</u>			
Tensile Strength at Yield	MPa	ISO 527	52
Elongation at Break	%	ISO 527	>50
Tensile Modulus	MPa	ISO 527	2,300
Flexural Strength	MPa	ISO 178	75
Flexural Modulus	MPa	ISO 178	2,300
Notched Charpy Impact at 23°C	kJ/m ²	ISO 179	50
Notched Charpy impact at -30°C	kJ/m ²	ISO 179	25

Note: Properties reported here are typical values of the product, not to be considered as specifications.

Solution Creation makes no representations as to the accuracy or completeness of the information contained herein.

Processing guideline:

For injection molding

- Drying conditions: 80 °C at least 4 Hrs. before using
- Melt temperature: 210 – 250 °C
- Mold temperature: 55 – 70 °C

- Screw speed for screw diameter of 35 mm: 30 – 60 rpm
- Back pressure: 5 – 10 MPa

Delivery form: The products are supplied as cylindrically cut granules.

Storage condition:

- Avoid direct sunlight
- Keep in dry condition
- Keep sealed when not in use