

FGF Recycled PC-ABS

PC-ABS is an incredibly strong material with an even higher impact resistance than our regular ABS. This is a consequence of the addition of the proper amount of polycarbonate in this modification, which also creates a nearly perfect interlayer adhesion and a beautiful surface gloss. The above features makes PC-ABS the perfect material for mechanical parts and tools, which should be light and strong and show minimal wear after prolonged use.

Material features:

- Improved interlayer adhesion
- High impact resistance
- High surface gloss



Colours:

Colours on request. Ask your accountmanager.

Packaging:

FGF recycled PC-ABS is available in 20kg bag

Processing recommendations

Drying		3hr,90°C*. <400ppm
Zone 1 Temperature		230±20 °C
Zone 2 Temperature		240±20 °C
Zone 3 Temperature		240±20 °C
Mass temperature		245 °C
Die temperature		255±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,04 g/cc
MFR 240°C/5 kg	ISO 1133	0,47 g/10min
Tensile Strength at Yield	ISO 527	37 Mpa
Tensile Strength at Break	ISO 527	30 Mpa
Elongation-Strain at Yield	ISO 527	3%
Elongation-Strain at Break	ISO 527	18%
Tensile modulus	ISO 527	1900 Mpa
Impact strength - Charpy notched 23°C	ISO 179	27 kJ/m2
Vicat softening temperature	ISO 306	61,7°C
Mold shrinkage	Internal method (ISO 294-4 based)	0,35%

Additional info:

Storage: Cool and dry (15-25 °C) and away from UV light. This enhances the shelf life significantly.

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