

FGF Recycled ABS-X

FGF Recycled ABS-X is our take on a next-generation ABS. FGF recycled ABS-X is the perfect material for strong objects that require a high impact tolerance.

Material features:

- Enhanced mechanical properties over regular ABS
- Great strength & aesthetics
- Low warp



Colours:

Colours on request. Ask your accountmanager.

Packaging:

FGF recycled ABS-X is available in 20kg bag

Processing recommendations

Drying	4hr, 75°C. <250ppm
Zone 1 Temperature	185±20 °C
Zone 2 Temperature	200±20 °C
Zone 3 Temperature	200±20 °C
Mass temperature	234 °C
Die temperature	220±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,1 g/cc
MFR 200°C/5 kg	ISO 1133	31 g/10min
Tensile Strength at Yield	ISO 527	42 Mpa
Tensile Strength at Break	ISO 527	27 Mpa
Elongation-Strain at Yield	ISO 527	3%
Elongation-Strain at Break	ISO 527	9%
Tensile modulus	ISO 527	2000 Mpa
Impact strength - Charpy notched 23°C	ISO 179	46,5 kJ/m2
Vicat softening temperature	ISO 306 B50	76°C
Mold shrinkage	Internal method (ISO 294-4 based)	0,54%
Thermal expansion coefficient	ISO 11359	1,4*10 ⁻⁴ mm/mm°C

Additional info:

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

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