

# **FGF ABS-X**

FGF ABS-X is our take on a next-generation ABS. FGF 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 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	41 g/10min
Tensile Strength at Yield	ISO 527	40 Mpa
Tensile Strength at Break	ISO 527	25,5 Mpa
Elongation-Strain at Yield	ISO 527	2,9%
Elongation-Strain at Break	ISO 527	10%
Tensile modulus	ISO 527	1980 Mpa
Impact strength - Charpy notched 23°C	ISO 179	49,5 kJ/m <sup>2</sup>
Vicat softening temperature	ISO 306	76°C
Mold shrinkage	internal method (ISO 294-4 based )	0,54%
Thermal expansion coefficient	ISO 11359	1,4*10 <sup>-4</sup> 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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