

FGF ASA-X

FGF ASA-X is our highly modified 'industrial-grade' ASA with many features like UV resistance, zero warp technology and excellent mechanical properties. FGF ASA-X is the perfect replacement when you require a performance material without the problems that can arise during printing with, for example, ABS. FGF ASA-X is perfect when you are looking for beautiful and strong prints that also last outside.

Material features:

- UV / Weather resistant
- Zero warp technology
- Excellent interlayer adhesion
- Great strength & aesthetics

Colours:

Colours on request. Ask your accountmanager.

Packaging:

FGF ASA-X is available in 20kg bag



Processing recommendations

Drying		4hr, 75°C. <250ppm
Zone 1 Temperature		180±20 °C
Zone 2 Temperature		220±20 °C
Zone 3 Temperature		215±20 °C
Mass temperature		218 °C
Die temperature		230±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,11 g/cc
MFR 200°C/5 kg	ISO 1133	13,7 g/10min
Tensile Strength at Yield	ISO 527	46 Mpa
Tensile Strength at Break	ISO 527	30 Mpa
Elongation-Strain at Yield	ISO 527	3,6%
Elongation-Strain at Break	ISO 527	16,2%
Tensile modulus	ISO 527	2090 Mpa
Impact strength - Charpy notched 23°C	ISO 179	15,6 kJ/m2
Vicat softening temperature	ISO 306	98°C
Mold shrinkage	internal method (ISO 294-4 based)	N/A
Thermal expansion coefficient	ISO 11359	1,4*10 ⁻⁴ mm/mm°C

Additional info:

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

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