

# FGF Recycled ASA-X 20% Glassfiber

FGF Recycled ASA-X 20% Glassfiber is our own specially developed modified ASA compound, made from our own industrial waste, this ensures the quality of the product. The low warpage ASA compound with added glassfibers gives great features which work well with a variety of applications

## Material features:

- 20% filled with Glassfiber
- Low warpage
- Easy to print
- UV resistant
- Good layer adhesion

## Colours:

Available in a homogenous colour (dark grey/blue)

## Packaging:

FGF Recycled ASA-X 20% Glassfiber is available in 20kg bag

### Processing recommendations

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

### Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,27 g/cc
MFR 220°C/10 kg	ISO 1133	16 g/10min
Tensile Strength at Yield	ISO 527	81 MPa
Tensile Strength at Break	ISO 527	81 MPa
Elongation-Strain at Yield	ISO 527	2,2%
Elongation-Strain at Break	ISO 527	2,4%
Tensile modulus	ISO 527	6300 MPa
Impact strength - Charpy notched 23°C	ISO 179 1eA	6,2 kJ/m2
Vicat softening temperature B	ISO 306 B50	85°C
Shrinkage (linear mold)	Internal method	0,3%
Mold shrinkage	Internal method (ISO 294-4 based )	0,54%

## Additional info:

The glassfibre is mildly abrasive, please consider the use of a hardened steel nozzle when printing with FGF Recycled ASA-X 20% Glassfiber. Do not use a breaker plate with screen.

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

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