

FORMPOLY® POMGF20 (20% Glass Reinforced POM)

GENERAL

FPL offers a range of Polyoxymethylene grades from unfilled, glass fibre reinforced to flame retardant including **FORMPOLY® POMGF20**, which is heat stabilized, glass reinforced POM with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® POMGF20

Smooth surface finish
Moderate flow and fast solidification
High heat resistance.
Warpage free molding
Easy processability
UV Stability
Excellent dimensional stability

PRE-DRYING

FPL grades can normally be taken for direct processing. However, in case the material is exposed to atmosphere, it is advisable to pre-dry the material at 100°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® POMGF20 is supplied in 25 Kgs dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Spool gears
Bushes
Cams
Rollers

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	120
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	145
Flexural Modulus	D790	MPa	6900
Izod Impact Strength Notched	D256	kg.cm/cm	8
Heat Deflection Temp - at 18.5 kg/cm ² load	D648	°C	155
Specific Gravity	D792	-	1.57
Shrinkage	D955	%	1.6-2.0

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen
Coloured grades would record slightly lower mechanical properties as permitted by ASTM D-4066

The information present here is for general guidance. It is given in good faith but no warrant is attached

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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

