

FORMPOLY® POMGP270 (UNFILLED POM)

GENERAL

FPL offers a range of Polyoxymethylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® POMGP270**, which is heat stabilized, lubricated unfilled POM with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® POMGP270

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® POMGP270 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	60
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa	90
Flexural Modulus	D790	MPa	2600
Izod Impact Strength	D256	kg cm/cm	8
Notched			
Heat Deflection Temp		°C	
- at 4.6 Kg/cm ² load	D648		155
- at 18.5 Kg/cm ² load			110
Specific Gravity	D792	-	1.42
Shrinkage	D955	%	1.6-2.0
Melt Flow Index	D1238	g/10mins	25
Rockwell Hardness	D785	M Scale	85

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

