

# FORMPOLY® POMGP30 (UNFILLED POM)

## GENERAL

FPL offers a range of Polyoxymethylene grades from unfilled to glass fibre reinforced, including **FORMPOLY® POMGP30**, which is heat stabilized, lubricated unfilled POM with excellent mechanical / thermal properties and reduced shrinkage.

## FORMPOLY® POMGP30

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 80°C for 2 to 3 hours for good surface finish.

## PACKING

**FORMPOLY® POMGP30** 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	%	35
Flexural Stress	D790	MPa	90
Flexural Modulus	D790	MPa	2600
Izod Impact Strength Notched	D256	kg cm/cm	8
Heat Deflection Temp - at 4.6 Kg/cm <sup>2</sup> load - at 18.5 Kg/cm <sup>2</sup> load	D648	°C	155 110
Specific Gravity	D792	-	1.42
Shrinkage	D955	%	1.6-2.0
Melt Flow Index	D1238	g/10mins	3

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

## FORMULATED POLYMERS LIMITED

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