

# **FORMPOLY POMGP90MS (MoS2 LUBRICATED POM)**

## **GENERAL**

**FPL** offers a range of Polyoxymethylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY POMGP90MS**, which is MoS2 filled, heat stabilized, lubricated POM with excellent mechanical / thermal properties and reduced shrinkage.

### **FORMPOLY POMGP90MS**

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 POMGP90MS** 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	%	20
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	D646	°C	155
- at 18.5 Kg / Cm <sup>2</sup> load			110
Specific Gravity	D792	-	1.42
Shrinkage	D955	%	1.6-2.0
Melt Flow Index	D-1238	Grams/10 Min	9

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**

**Manufacturers of Engineering Plastics Compounds**

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