

FORMPOLY® POMGP90CW

(Unfilled POM-Chlorinated water resistant)

GENERAL

FPL offers a range of Polyoxymethylene grades from unfilled, glass fibre reinforced including **FORMPOLY® POMGP90CW**, which is heat stabilized, lubricated unfilled POM with well-balanced mechanical, chemical and thermal properties having resistance towards environmental stress caused when used in chlorinated water contact applications.

FORMPOLY® POMGP90CW

Smooth surface finish
Moderate flow and fast solidification
High heat resistance.
Warpage free moulding
Easy processability
Excellent dimensional stability
Chlorine (3 ppm) water resistant

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 90°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® POMGP90CW is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Valve and pump housings
Bath room fittings
Drinking water parts
Connectors
Snap fit parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	60
Tensile Modulus	D638	MPa	2400
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa.	80
Flexural Modulus	D790	MPa.	2300
Izod Impact Strength Notched	D256	Kg cm/cm	8
Heat Deflection Temp			
- at 4.6 Kg/cm ² load	D648	°C	155
- at 18.5 Kg/cm ² load			90
Specific Gravity	D792	-	1.42
Shrinkage	D955	%	1.6-2.0
Melt Flow Index	D1238	g/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

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