

# FORMPOLY TPP10FR (10% TALC REINFORCED PP-FR Grade)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY TPP10FR**, which is heat stabilized, lubricated PP with excellent mechanical / thermal properties and reduced shrinkage.

## FORMPOLY TPP10FR

Meeting UL94 V0 requirements  
Easy flow and fast solidification  
Good mechanical and thermal properties.  
Anti dripping  
Easy processability  
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 TPP10FR** is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Switch parts  
Automotive fire alarm indicator  
Roofing parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	28
Elongation at Break	D638	%	6
Flexural Stress	D790	MPa.	40
Flexural Modulus	D790	MPa.	1600
Izod Impact Strength Notched	D256	Kg cm/cm	4
Heat Deflection Temp		°C	
- at 4.6 Kg/cm <sup>2</sup> load	D648		115
- at 18.5 Kg/cm <sup>2</sup> load			75
Specific Gravity	D792	-	1.18
Shrinkage	D955	%	0.5-1.1
Melt Flow Index	D1238	g/10min	14

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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