

FORMPOLY TPP10 (10% TALC REINFORCED PP)

GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY TPP10**, which is heat stabilized, lubricated PP with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY TPP10

High heat distortion and service temperature
Easy flow and fast solidification
Good mechanical and thermal properties.
UV stabilized
Easy processability
Good surface finish and Gloss
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 TPP10 is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Speedometer parts
Automotive Head Lamp Parts
Control housing
Handles
Toys

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	30
Elongation at Break	D638	%	25
Flexural Stress	D790	MPa.	35
Flexural Modulus	D790	MPa.	1800
Izod Impact Strength Notched	D256	Kg cm/cm	5
Heat Deflection Temp - at 4.6 Kg/cm ² load - at 18.5 Kg/cm ² load	D648	°C	115 75
Specific Gravity	D792	-	1.01
Shrinkage	D955	%	0.6-1.2
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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