

# FORMPOLY SPP610

## (10% Talc Reinforced PP-Heat Stabilized)

### GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY SPP610**, which is heat stabilized, lubricated Talc reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY SPP610

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 SPP610** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Speedometer parts  
 Automotive Head Lamp Parts  
 Control Housings  
 Handles  
 Automotive inner parts

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		°C	
- at 4.6 Kg / Cm <sup>2</sup> load	D646		115
- at 18.5 Kg / Cm <sup>2</sup> load			75
Specific Gravity	D792	-	1.01
Shrinkage	D955	%	0.6 - 1.2
Melt Flow Index	D1238	Grams/10min	14

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen  
 Pigmented colors would record 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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