

FORMPOLY® TPP40 (40% Talc Reinforced PP)

GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® TPP40**, which is heat stabilized, lubricated Talc reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® TPP40

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 80°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® TPP40 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
Timing Belts
Automotive inner parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	30
Elongation at Break	D638	%	8
Flexural Stress	D790	MPa	50
Flexural Modulus	D790	MPa	4000
Izod Impact Strength Notched	D256	kg cm/cm	4
Heat Deflection Temp - at 4.6 kg/cm ² load	D648	°C	140
- at 18.5 kg/cm ² load	D648	°C	90
Specific Gravity	D792	-	1.23
Shrinkage	D955	%	0.2-0.5
Melt Flow Index	D1238	g/10min	10

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

Ph: +91-44-26811236,7:: Fax:2681 1275 E Mail: info@formulatedpolymers.com

URL: www.formulatedpolymers.com

HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124 India.

ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

