

# FORMPOLY SPP615FR (15% 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 SPP615FR**, which is heat stabilized, lubricated Talc reinforced PP with flame retardant properties.

### FORMPOLY SPP615FR

Meeting UL-94 VO requirements  
Easy flow and fast solidification.  
Good Mechanical and thermal properties.  
Anti dripping  
Easy processability  
Available in various colors

### 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 1 to 2 hours for good surface finish.

### PACKING

**FORMPOLY SPP615FR** is supplied in 25 Kg. 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.        | 30      |
| Elongation at Break                 | D638        | %           | 6       |
| Flexural Stress                     | D790        | MPa.        | 38      |
| Flexural Modulus                    | D790        | MPa.        | 2200    |
| Izod Impact Strength Notched        | D256        | Kg Cm/ Cm   | 4       |
| Heat Deflection Temp                |             |             |         |
| - at 4.6 Kg / Cm <sup>2</sup> load  | D646        | °C          | 120     |
| - at 18.5 Kg / Cm <sup>2</sup> load |             |             | 80      |
| Specific Gravity                    | D792        | -           | 1.21    |
| Shrinkage                           | D955        | %           | 0.5-0.8 |
| Melt Flow Index                     | D-1238      | Grams/10min | 12      |

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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