

# S1003

## Polypropylene (PP)

### Description:

S1003 is a Homo-Polypropylene (Homo-PP). with low melt flow index for extrusion process. It is suitable for general purpose for monofilament, tape or flat yarn such as rope, twine, tape (Raffia), carpet backing, civil engineering fabric, etc.

### Typical applications;

Extrusion : Monofilament, tape or flat yarn.

Physical Properties:	Method	Unit	Value
Density	ASTM D792	g/cm <sup>3</sup>	0.90
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	3.5
Tensile Strength at Yield	ASTM D638	MPa	36
Notched Izod Impact Strength (at 23°C)	ASTM D256	J/m	45
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1550
Heat Distortion Temperature @ 4.6 kg	ASTM D648	°C	100

### Processing Technique

**Processing Temperature : 190 – 240 °C**

\*\*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.\*\*

**Remark:** The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.