

# 1105SC

## Polypropylene (PP)

### Description:

1105SC is Polypropylene Homo-polymer fiber grade characterized by high flow-ability, very narrow molecular weight distribution and medium crystallinity providing stable and consistent process and product behavior. POLIMAXX® 1105SC is especially suitable for the production fine titer spunbond non-woven at high speed production lines used for hygiene application. The product comprises a balanced combination of stabilizers providing qualified gas fading resistance.

### Typical applications

Multifilament, Spunbond nonwovens, Hygiene and Healthcare.

Physical Properties:	Method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	35
Tensile Strength at Yield	ASTM D638	MPa	36
Izod Notched Impact Strength (at 23°C)	ASTM D256	J/m	30
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1500
Rockwell Hardness	ASTM D785	R-Scale	100
Heat Distortion Temperature (Load 0.45 N/mm <sup>2</sup> )	ASTM D 648	°C	105

### Processing Technique

**Processing Temperature : 200 – 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.