

# 1105SC

## Polypropylene (PP)

### Description:

1105SC is polypropylene homopolymer fiber grade characterized by high flow ability, very narrow molecular weight distribution and medium crystallinity providing stable and consistent process and product behavior. PP 1105SC is especially suitable for the production fine fiber spunbond nonwovens at high speed production lines used for hygiene application. The product comprises a balanced combination of stabilizers providing qualified gas fading resistance.

**Application:** Fibers, Spunbond nonwovens, Personal Care, Industrial Application, Medical/Healthcare application.

Physical Properties:	Method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	35
Tensile Strength at Yield	ASTM D638	N/mm <sup>2</sup>	33
Elongation at Yield	ASTM D638	%	32
Izod Notched Impact Strength (at 23°C)	ASTM D256	J/m	27
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1350
Rockwell Hardness	ASTM D785	R-Scale	95
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 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.