

# PP 540N (Provisional Data sheet)

PP Homopolymer for Compression molding

## Product Description

PP 540N is a homopolymer grade specially developed for compression molding applications.

PP 540N has following features:

- Good processability
- Antistatic properties
- Contains suitable lubricants

## Typical Applications

PP 540N can be used mainly for caps and closures.

## Typical data

Properties	Unit	Value <sup>(1)</sup>	ASTM Method
<b>Resin Properties</b>			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	2	D 1238
Density @ 23°C	kg/m <sup>3</sup>	905	D 792
<b>Mechanical Properties <sup>(2)</sup></b>			
Tensile Strength @ Yield	MPa	35	D 638
Tensile Elongation @ Yield	%	10	D 638
Flexural Modulus (1% Secant)	MPa	1460	D 790A
Notched Izod Impact Strength @ 23°C	J/m	60	D 256
Rockwell Hardness, R-Scale	-	105	D 785
<b>Thermal Properties <sup>(2)</sup></b>			
Vicat Softening Point	°C	155	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	105	D 648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.

## Food Regulation

PP 540N is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

## **Storage and Handling**

PP resin should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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