

# 1200MG



## Polypropylene Homopolymer

## Injection Molding

### Product Description:

**PP Homopolymer 1200MG** is a natural colored grade produced by the latest Spheripol II Technology. This Grade offers very good stiffness & gloss, good flow properties and suitable for injection molding process

### Applications:

**PP Homopolymer 1200MG** is recommended for General purpose injection molding applications such as Thin Wall Moldings, food packaging containers & Houseware.

### Typical Properties:

Sr. No.	Properties	Test Method	Units	Values*
1	Melt Flow Index ( 230°C & 2.16 kg)	ASTM D1238	g / 10 min	20
2	Tensile Strength @ Yield (50mm / min)	ASTM D638	MPa	34
3	Elongation @ Yield (50mm / min)	ASTM D638	%	11
4	Flexural Modulus	ASTM D790	MPa	1600
5	Notch Izod Impact Strength ( 23°C)	ASTM D256	J/m	25
6	Vicat Softening Point (10N)	ASTM D1525	°C	155
7	Heat Deflection Temperature (0.46N/m <sup>2</sup> )	ASTM D648	°C	95

\* All the Mechanical Properties as per ASTM D638 Type I Injection molded specimen Prepared in accordance with ASTM D 4101  
 \* Typical Values and not to be taken as specifications

### Regulatory Requirements:

PP Homopolymer 1200MG shall meet the requirements stipulated in IS 10910 on 'Specification for Polypropylene and its Copolymers for safe use in contact with Foodstuff, Pharmaceutical & Drinking water'. The grade and Additives incorporated in this grade shall meet the positive list of constituents as prescribed in IS 10909. The Grade and the additives incorporated in it will also comply with the FDA: CFR Title 21,177.1520, Olefin Polymers

### Storage & Handling:

Prevent PP Material from direct exposure to sunlight & heat to avoid quality deterioration. The storage location should be dry, dust free and the Storage temperature should not exceed 50°C. Non - compliance to these precautionary measures can lead to degradation of the product causing Color changes, Odor & inadequate product performance.

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