

1110MAS



Polypropylene Homopolymer

Injection Molding

Product Description:

PP Homopolymer 1110MAS is a natural colored grade produced by the latest Spheripol II Technology. The Grade is designed to have a High flow & very high stiffness and excellent gloss. This Grade contains antistatic agent that reduces static charge build up in products. **1110MAS offers High stiffness, Cycle time reduction up to 15%, superior processability, Low warpage, Low shrinkage & better gloss.**

Applications:

PP Homopolymer 1110MAS is recommended for Injection Molded applications like Furniture, Household articles & Auto components where high stiffness is required.

Typical Properties:

Sr. No.	Properties	Test Method	Units	Values*
1	Melt Flow Index (230°C & 2.16 kg)	ASTM D1238	g / 10 min	11
2	Tensile Strength @ Yield (50mm / min)	ASTM D638	MPa	42
3	Elongation @ Yield (50mm / min)	ASTM D638	%	8
4	Flexural Modulus	ASTM D790	MPa	1700
5	Notch Izod Impact Strength (23°C)	ASTM D256	J/m	30
6	Vicat Softening Point (10N)	ASTM D1525	°C	154
7	Heat Deflection Temperature (0.46N/m ²)	ASTM D648	°C	114
* 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 1110MAS 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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