

H110MAS

HOMOPOLYMER FOR INJECTION MOULDED PRODUCTS

Repol H110MAS is a highly efficient nucleated Polypropylene homopolymer grade, which is mainly used in injection molding process for the applications such as rigid packaging, furniture, houseware etc.

Repol H110MAS provides unique combination of high crystallization temperature in the polymer and isotropic shrinkage in the final part. This combination allows for increased production rates in many applications. In addition, H110MAS exhibits higher flexural modulus, surface gloss and also allows for high quality parts by reducing warpage, sink marks and other molding defects.

Typical Characteristics			
Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	gm/10 min	11
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	38
Elongation at Yield (50 mm/min)	ASTM D638	%	10
Flexural Modulus (1% secant)	ASTM D790A	MPa	1650
Notched Izod Impact Strength (23°C)	ASTM D256	J/m	30
Heat Deflection Temperature (455 kPa)	ASTM D648	°C	110

* Typical values, not to be taken as specification.

All the mechanical properties as per ASTM D638 Type I specimen injection molded and tested in accordance with ASTM D4101

Applications

Injection molded articles for Rigid packaging, Furniture, Houseware.

The grade is not intended to be used for any medical or pharmaceutical application.

Regulatory Information

The product complies with Indian Standard IS 10910 on "Specification for polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals and drinking water. It also conforms to IS 16738:2018 on positive list of constituents for polypropylene, polyethylene and their copolymers for its safe use in contact with foodstuffs and pharmaceuticals. The grade and the additives incorporated in it also comply with the FDA: CFR Title 21,177.1520, Olefin polymers

Storage Recommendations

Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight

DISCLAIMER

The information contained herein may include typical properties and processing parameters of the grade or its typical performances when used in respective applications. The values given above are based on analysis of representative samples and not the actual product supplied. It is the customer's responsibility to inspect and test our grades in order to satisfy itself as to the suitability of the products for customers' particular application. The customer is solely responsible for all determinations regarding any use of material or product and any process in its area of interest. RIL assumes no obligation or liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of using any of the information or product given in this document. The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorized agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.