Uretici web sitesi: www.ril.com

H070SG

HOMOPOLYMER

FOR CAST FILM APPLICATION

Repol H070SG is PP homopolymer film grade specially developed for manufacturing of cast films. It exhibits very good transparency and stiffness when processed on cast film line.

BIS Designation Code: IS 10951-1-KB-B

Typical Characteristics

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230 ^{o} C/2.16 kg)	ASTM D1238	g/10 min	7.0
Density	ASTM D792	g/ cc.	0.90
FILM PROPERTIES (CAST FILM)			
Tensile Strength at Break (MD / TD)	ASTM D882	MPa	42 / 38
Elongation at Break (MD / TD)	ASTM D882	%	500 /550
Haze – 20 µ / 40 µ	ASTM D1003	%	0.7 / 1.3
Gloss @ 20 ^{o}	ASTM D2457	GU	90
Coefficient of friction (St / Kn)	ASTM D1894	---	> 0.7/ >0.7

* Typical values. Not to be taken as specifications

** Mechanical properties are on 40 microns. Film processed on cast film plant with chill roll temperature of 20 ^{o} C.

Note: Final film properties are strongly influenced by the processing conditions.

Typical Processing Conditions

Extrusion temperatures: 210 – 250 ^{o} C

Applications

Metallized films, Cast films for Food packaging, textile packaging, Lamination, stationary etc.

Reliance Industries Limited, Product Application & Research Centre (PARC), Vadodara Manufacturing Division, P. O. Petrochemicals, Village Koyali, District Vadodara: Pin 391346, Gujarat, India. E-mail: polymer_patsupport@ril.com Website: www.ril.com

Updated as of July 2024

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 FDA:CFR Title 21,177.1520, Olefin polymers.
Not to be used in the manufacture of Single Use Plastic (SUP) items prohibited under PWM Rules, 2016.

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.