B5010

HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE
FOR MEDUIM VOLUME BLOW MOULDED CONTAINERS/LINERS

B5010 is a High Molecular Weight High Density Polyethylene blow moulding grade with good impact strength. The resin offers excellent melt strength, swell, easy processability. This grade can be blended for using for various applications

Typical Characteristics•			
Property	Test Method	Unit	Typical Value••
Melt Flow Index (190°C/5.0 kg)	ASTM D1238	gm/10 min	0.65
Melt Flow Index (190°C/21.6 kg)	ASTM D1238	gm/10 min	13.0
Density (23ºC)	ASTM D 1505	gm/cm^3	0.952
Tensile Strength at Yield	ASTM D638	MPa	29
Elongation at Yield	ASTM D638	%	11
Flexural Modulus	ASTM D790	MPa	1000
Notched Izod Impact Strength	ASTM D256	J/m	No Break
Vicat Softening Point	ASTM D1525	ºC	125

*Typical Characteristics and not to betaken as specifications

**Mechanical Properties are on Compression molded specimen

Applications:

- Medium volume blow molded containers
- Blending in various applications @ Wide width film, Pond liners & Geo textile applications

Regulatory Information

- For regulatory information please contact organization representative.
- BIS Designation Code : IS 7328-3B-BB-ETA.
- 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.

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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.

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