



# B5010

## HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE FOR MEDIUM 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 (23°C)	ASTM D 1505	gm/cm <sup>3</sup>	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	°C	125

\*Typical Characteristics and not to be taken 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.