RELENE POLYETHYLENE
A Reliance Polymers product

Reliance POLYMERS

52GB002

HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE

FOR LARGE VOLUME BLOW MOULDED CONTAINERS

52GB002 is a High Molecular Weight High Density Polyethylene (HMHDPE) blow molding grade with balanced stiffness and impact strength. It possesses broad molecular weight distribution, very good swell and excellent processability. 52GB002 can readily be processed on most of HDPE blow moulding machines with accumulators.

Typical Characteristics*			
Property	**Test Method**	**Unit**	**Typical Value****
Melt Flow Index (190°C/10.0 Kg)	ASTM D1238	gm/10 min	0.8
Melt Flow Index (190°C/21.6 Kg)	ASTM D1238	gm/10 min	5.0
Density (23°C)	ASTM D1505	gm/cm^3	0.952
Tensile Strength at Yield	ASTM D638	MPa	25
Elongation at Yield	ASTM D638	%	12
Flexural Modulus	ASTM D790	MPa	1,050
Notched Izod Impact Strength	ASTM D256	J/m	No Break
Vicat Softening Point	ASTM D1525	°C	126

*Typical Characteristics and not to be taken as specifications
**Mechanical Properties are on Compression moulding

Applications

Containers above 100L.

Regulatory Information

- Meets the requirements stipulated in standard IS : 10146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to the positive list of constituents as prescribed in IS : 10141. 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.

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