



46GB012 HIGH DENSITY POLYETHYLENE

FOR SMALL VOLUME BLOW MOULDED CONTAINERS

46GB012 is a High Density Polyethylene (HDPE) blow moulding grade. It possesses high impact strength, outstanding ESCR and bimodal molecular weight distribution for easy processability. 46GB012 can readily be processed on most HDPE blow moulding lines.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/5.0 kg)	ASTM D1238	gm/10 min	1.2
Density (23°C)	ASTM D1505	gm/cm ³	0.946
Tensile Strength at Yield	ASTM D638	MPa	23
Elongation at Yield	ASTM D638	%	12
Flexural Modulus	ASTM D790	MPa	700
Notched Izod Impact Strength	ASTM D256	J/m	No Break
Vicat Softening Point	ASTM D1525	°C	123
ESCR, F ₅₀	ASTM D1693	hr	>600

*Typical Characteristics and not to be taken as specifications

**Mechanical Properties are on Injection Moulded Specimen

Applications

Containers upto 10L for pesticides, cosmetic & personal care products.

Regulatory Information

- Meets the requirements stipulated in standard IS : 10146-1982 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 : 10141-1982. 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.