



# B56003 HIGH DENSITY POLYETHYLENE

## BLOW MOULDING GRADE

B56003 is a High Density Polyethylene (HDPE) grade suitable for general purpose extrusion blow moulding applications. Articles blown from this grade exhibit good stiffness. The resin offers good melt strength, ESCR and impact resistance and typically used for packaging of oil, vanaspati, general purpose containers, jerry can, etc.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D 1505	g/cc	0.956
MFI (190°C/5 kg)	ASTM D 1238	g/10 min	1.5
Tensile Strength at Yield	ASTM D 638	MPa	26
Elongation at Break	ASTM D 638	%	550
Flexural Modulus	ASTM D 790	MPa	900
Hardness	ASTM D 2240	Shore D	69
Vicat Softening Point	ASTM D 1525	°C	128

\*Typical Characteristics and not to be taken as specifications

\*\*Mechanical Properties are on Injection Moulded Specimen

### Applications

Oil, vanaspati and general purpose containers, jerry cans.

### 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.