



# M24300

## LINEAR LOW DENSITY POLYETHYLENE HIGH FLOW GRADE

M 24300 is a butene comonomer based Linear Low Density Polyethylene grade with narrow molecular weight distribution and optimum levels of antioxidants. It offers good fluidity and excellent processability, and is mainly recommended for preparing masterbatch. It can be also used for producing injection moulded lids, containers, houseware & general purpose articles as this grade exhibits good flexibility and low warpage.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D1505	g/cc	0.924
MFI (190°C/2.16 Kg)	ASTM D1238	g/10 min	30
Tensile Yield Strength	ASTM D638	MPa	10.5
Elongation at Break	ASTM D638	%	700
Flexural Modulus	ASTM D790	MPa	325
Softening Point	ASTM D1525	°C	95

\*Typical Characteristics and not to be taken as specifications

\*\*Mechanical Properties are on Injection Moulded Specimen

### Applications

Masterbatches, shopping baskets, lids.

### 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.