



# M24200

## LINEAR LOW DENSITY POLYETHYLENE HIGH FLOW GRADE

M24200 is a Butene comonomer based Linear Low Density Polyethylene (LLDPE) grade with narrow molecular weight distribution and optimum level of antioxidants. It offers excellent processability and is recommended as base resin for preparing masterbatch. It can also be 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 D 1505	g/cc	0.924
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	20.0
Tensile Strength at Yield	ASTM D 638	MPa	10.0
Elongation at Break	ASTM D 638	%	> 600
Flexural Modulus	ASTM D 790	MPa	255
Vicat Softening point	ASTM D 1525	°C.	96

<sup>p</sup>

\* Typical characteristics and not to be taken as specifications

\*\* Mechanical properties are on injection moulded specimens.

### APPLICATIONS:

Masterbatches, Shopping baskets, Housewares, Lids

### Regulatory Information

- Meets the requirement stipulated in standard IS: 10146 on "Specification for Polyethylene for safe use in contact with foodstuff, pharmaceutical, 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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