



# 16MA400

## LOW DENSITY POLYETHYLENE FOR INJECTION MOLDING & MASTERBATCH APPLICATION

16MA400 is an injection molding grade with high melt flow index for molding of very thin, intricate and large items having adequate mechanical properties. This grade is also an ideal choice for making master batches with higher loading.

### TYPICAL CHARACTERISTICS\*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Density (23°C)	ASTM D 792	g/cc	0.918
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	30
Tensile Strength at Yield	ASTM D 638	MPa	10
Elongation at Yield	ASTM D 638	%	40
Flexural Modulus	ASTM D 790	MPa	140
Notched Izod Impact strength	ASTM D 256	J/m	No Break
Vicat softening point	ASTM D 1525	°C	84

\* Typical characteristics and not to be taken as specifications

\*\* Mechanical properties are on Injection molded specimens

### APPLICATIONS:

Master batches, powder coating & moldings.

### 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.

Reliance Industries Limited,