



I6MA400

LOW DENSITY POLYETHYLENE FOR INJECTION MOULDING & MASTERBATCH RESIN

I6MA400 is an injection moulding grade Low Density Polyethylene (LDPE) produced by high pressure tubular process. The high melt flow index makes it ideal for moulding of very thin, intricate and large items having adequate mechanical properties. This grade is also an ideal choice for making masterbatches with higher loading.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	30
Density (23°C)	ASTM D1505	gm/cm ³	0.918
Tensile Strength at Yield	ASTM D638	MPa	10
Elongation at Yield	ASTM D638	%	40
Flexural Modulus	ASTM D790	MPa	140
Notched Izod Impact Strength	ASTM D256	J/m	No Break
Vicat Softening Point	ASTM D1525	°C	84

*Typical Characteristics and not to be taken as specifications

**Mechanical Properties are on Injection Moulded Specimen

Applications

Masterbatches, powder coating, soft mouldings.

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.