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# M60200

## HIGH DENSITY POLYETHYLENE FOR INJECTION MOULDING GRADE

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M60200 is a High Density Polyethylene (HDPE) grade designed for injection moulding applications. M 60200 is suitable for moulding of houseware and commodities. Due to narrow molecular weight distribution of resin, articles exhibit excellent gloss. The resin also imparts good rigidity, stiffness, impact resistance coupled with good melt flow properties required for mould filling of large articles.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D 1505	g/cc	0.958
MFI (190°C/2.16 kg)	ASTM D 1238	g/10 min	20.0
Tensile Strength at Yield	ASTM D638	MPa	25
Elongation at Yield	ASTM D638	%	10
Flexural Yield Strength	ASTM D790	MPa	30
Flexural Modulus	ASTM D790	MPa	900
Hardness	ASTM D2240	Shore D	69
Vicat Softening Point	ASTM D 1525	°C	126

\*Typical Characteristics and not to be taken as specifications

\*\*Mechanical Properties are on Injection Moulded Specimen

### Applications

Houseware, Storage bins.

### Regulatory Information

- Meets the requirements stipulated in standard IS : 10146-1982 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 : 10141-1982. 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.