



# L60075 HIGH DENSITY POLYETHYLENE WITH UV INJECTION MOULDING GRADE

L60075 is a High Density Polyethylene (HDPE) grade suitable for injection moulding applications where good mechanical properties are essential with gloss, dimensional stability, good ESCR, required for technical mouldings like moulded crates, luggage shells, helmets, defence applications, etc. L 60075 has recommended service life of 5 years. L 60075 is suitable for applications where articles are exposed to sunlight e.g. soft drink crates, defence applications, helmets, paint pails, etc.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D 1505	g/cc	0.960
MFI (190°C/2.16 kg)	ASTM D 1238	g/10 min	8.0
Tensile Strength at Yield	ASTM D638	MPa	25
Elongation at Break	ASTM D638	%	800
Flexural Modulus	ASTM D790	MPa	900
Hardness	ASTM D2240	Shore D	69
Vicat Softening Point	ASTM D 1525	°C	128
Izod Impact Strength	ASTM D256	J/m	88

\*Typical Characteristics and not to be taken as specifications

\*\*Mechanical Properties are on Injection Moulded Specimen

## Applications

Crates, paint pails and defence applications.

## 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.