M60075

HIGH DENSITY POLYETHYLENE

FOR INJECTION MOULDING GRADE

M60075 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.

Typical Characteristics			
Property	**Test Method**	**Unit**	**Typical Value****
Density (23°C)	ASTM D1505	g/cc	0.960
MFI (190°C/2.16 kg)	ASTM D1238	g/10 min	8.0
Tensile Strength at Yield	ASTM D638	MPa	25
Elongation at Break	ASTM D638	%	800
Flexural Yield Strength	ASTM D790	MPa	30
Flexural Modulus	ASTM D790	MPa	900
Hardness	ASTM D2240	Shore D	69
Vicat Softening Point	ASTM D1525	°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, Luggage and Industrial containers.

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.

Reliance Industries Limited, Product - Application & Technology Group, PRTC,
Swastik Mill Compound, V. N. Purav Marg, Chembur, Mumbai-400 071. Tel.: +91-22-6767 7000. E-mail: polymer_patsupport@ril.com Website: www.ril.com

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