

RELENE® L60075

High Density Polyethylene
Reliance Industries Limited

Message:

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. UV Stabilised version, L60075 is also available with recommended service life of more than 5 years. L60075 is suitable for applications where articles are exposed to sunlight e.g. soft drink crates, defence applications, helmets, paint pails, etc.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	High ESCR (Stress Crack Resist.)		
	High Gloss		
Uses	Crates		
	Luggage		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	25.0	MPa	ASTM D638
Tensile Elongation (Break, Injection Molded)	800	%	ASTM D638
Flexural Modulus (Injection Molded)	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525

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Recommended distributors for this material

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