

RELENE® M60200

High Density Polyethylene

Reliance Industries Limited

Message:

M60200 is a High Density Polyethylene (HDPE) grade designed for injection moulding applications. M60200 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.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Gloss		
	Narrow Molecular Weight Distribution		
Uses	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	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 (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	900	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525

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Recommended distributors for this material

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