

Eleme NGH070IG

High Density Polyethylene

Eleme Petrochemical Company Ltd

Message:

NGH070IG High Density Polyethylene Resin manufactured by IEPL using "SCLAIRTECH" solution polymerisation process of DU Pont, Canada (Now Nova Chemicals) offers medium molecular weight material with narrow molecular weight distribution to impart excellent mechanical properties, good gloss and surface finishing to injection moulded parts like crates, luggage shell, food container, toys, helmet, housewares etc.

General Information			
Features	Good dimensional stability		
	Low warpage		
	High ESCR (Stress Cracking Resistance)		
	Highlight		
	Impact resistance, high		
	Excellent appearance		
	Narrow molecular weight distribution		
	Medium molecular weight		
Uses	Pallets		
	Safety helmet		
	Household goods		
	Leather case		
	Container		
	Food container		
	Toys		
	Loading box		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Flexural Strength (Yield)	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Unnotched Izod Impact	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525

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