

Eleme NGH045IU

High Density Polyethylene
Eleme Petrochemical Company Ltd

Message:

NGH045IU 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 exhibit improved processability, excellent impact strength, stress crack resistance and UV stability for outdoor use at minimum warpage to injection moulded parts like containers, dust bin, pails, Industrial Parts, bottle caps for mineral water.

General Information			
Features	Good dimensional stability		
	Low warpage		
	High ESCR (Stress Cracking Resistance)		
	Highlight		
	Impact resistance, good		
	Good UV resistance		
	Workability, good		
	Excellent appearance		
	Narrow molecular weight distribution		
	Medium molecular weight		
Uses	Industrial application		
	Shield		
	Container		
	Outdoor application		
	Barrel		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.956	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	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)	29.0	MPa	ASTM D638
Tensile Elongation (Break)	850	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Flexural Strength (Yield)	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Unnotched Izod Impact	70	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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