

Eleme NGC040IU

Polypropylene Impact Copolymer
Eleme Petrochemical Company Ltd

Message:

NGC040IU Impact copolymer Polypropylene resin manufactured by IEPL using Spheripol Process know-how from Basell,Italy. It is a UV stabilized grade with excellent stress crack resistance, which can be used in different injection molding applications i.e. Crates, Luggage, Furniture, Auto-components, Bobbins etc.

General Information			
Additive	UV stabilizer		
	UV stabilizer		
Features	Good dimensional stability		
	Low warpage		
	Rigidity, high		
	High ESCR (Stress Cracking Resistance)		
	Impact copolymer		
	Impact resistance, high		
	Workability, good		
Uses	Packaging		
	Industrial application		
	Furniture		
	Leather case		
	Application in Automobile Field		
	spool		
	Hard packaging		
Appearance	Natural color		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	> 45	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525
NOTE			

1. 23°C

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