

Eleme NGC120I

Polypropylene Impact Copolymer

Eleme Petrochemical Company Ltd

Message:

NGC120I Impact copolymer Polypropylene resin manufactured by IEPL using Spheripol Process know-how from Basell,Italy. It is a general purpose grade which can be used in different injection molding applications i.e. furniture, industrial products, housewares, caps & closures and toys.

General Information			
Features	Good dimensional stability		
	Low warpage		
	Rigidity, high		
	Impact copolymer		
	Impact resistance, high		
	Workability, good		
	General		
Uses	Packaging		
	Industrial application		
	Shield		
	Furniture		
	Household goods		
	General		
	Shell		
	Toys		
	Hard packaging		
Appearance	Natural color		
Processing Method	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)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	151	°C	ASTM D1525
NOTE			
1.	23°C		

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