

# Eleme HPIG110

Polypropylene Homopolymer  
Eleme Petrochemical Company Ltd

Message:

HPIG110 is Homopolymer polypropylene resin manufactured by IEPL using Spheripol process of Basell, Italy. It is a general purpose grade which can be used in many different injection molding applications.

General Information			
Features	Good dimensional stability		
	Rigid, good		
	Homopolymer		
	Workability, good		
	The smell is low to none		
	Compliance of Food Exposure		
	General		
Uses	Packaging		
	Industrial application		
	Shield		
	Furniture		
	Household goods		
	General		
	Shell		
Agency Ratings	Hard packaging		
Agency Ratings	FDA 21 CFR 177.1520		
	European 2002/72/EC		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525

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#### Recommended distributors for this material

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