

Eleme HPIG250

Polypropylene Homopolymer
Eleme Petrochemical Company Ltd

Message:

HPIG250 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		
	Homopolymer		
	Workability, good		
	Good flexibility		
	The smell is low to none		
	Compliance of Food Exposure		
	General		
Uses	Packaging		
	Thin wall parts		
	Household goods		
	General		
	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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	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)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	18	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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