

Braskem PE HDI2061

High Density Polyethylene

Braskem IDESA

Message:

HDI2061 is a High Density Polyethylene Copolymer for the Injection Molding Segment. By having good fluidity provides easy processability and high productivity, combined with high rigidity and hardness. The narrow molecular weight distribution gives low tendency to deformation.

Applications:

Housewares, Pails, Toys, Caps and Closures, General Purpose for medium to thin-walled articles.

Process:

Injection Molding.

General Information			
Features	Rigidity, high		
	Copolymer		
	Workability, good		
	Good liquidity		
	General		
	High hardness		
	Narrow molecular weight distribution		
Uses	Thin wall parts		
	Shield		
	Household goods		
	General		
	Barrel		
	Shell		
	Toys		
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.961	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	< 4.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.2	%	ASTM D638
Flexural Modulus - 1% Secant	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648
Vicat Softening Temperature	124	°C	ASTM D1525 ¹
NOTE			

1. 压力1 (10N)

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