Moplen EP300H

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP300H is a heterophasic copolymer, suitable for injection moulding as well as for thermoforming applications.
Moplen EP300H is a excellent low temperature impact behavior combined with a good processability.
Moplen EP300H is suitable for food contact.

General Information			
Features	Good dimensional stability		
	Low warpage		
	Rigid, good		
	Impact resistance, high		
	Good toughness		
	High hardness		
Uses	Electrical appliances		
	Cover		
	Household goods		
	Sheet		
	Bottle		
	Food container		
	Toys		
	Stationery		
	Loading box		
RoHS Compliance	Contact manufacturer		
Processing Method	Thermoforming		

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	27.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

-20°C, injection molding	59	J/m	ASTM D256
23°C, injection molding	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	110	°C	ASTM D648

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