

Moplen EP300R

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP300R is a polypropylene impact copolymer. This grade is known for having an optimized balance of stiffness and toughness. Potential applications include injection molding of washing machine tubs, electrical appliance parts, thin wall packaging and housewares.

General Information			
Features	Impact copolymer		
	Impact resistance, good		
	Workability, good		
	Good toughness		
Uses	Thin wall container		
	Large household appliances and small household appliances		
	Electrical appliances		
	Household goods		
	Container		
	Food container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.5	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	49	J/m	ASTM D256
23°C	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	150	°C	ASTM D1525

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