Moplen RP344R

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP344R is a polypropylene random copolymer manufactured using the Spheripol process. With its excellent gloss, color and flow, combined with its balance of rigidity and impact, this grade is particularly suitable for injection molding. Potential end use applications include housewares, thin wall articles for food/non-food usage, and caps and lids.

General Information			
Features	Food Contact Acceptable		
	Good Color Stability		
	Good Impact Resistance		
	Good Strength		
	High Clarity		
	High Flow		
	High Gloss		
	Medium Rigidity		
	Random Copolymer		
Uses	Caps		
	Containers		
	Food Containers		
	Household Goods		
	Lids		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	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)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1230	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-20°C	20	J/m	
23°C	49	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze	16	%	ASTM D1003

Recommended distributors for this material

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