

Moplen RP348S

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP348S is a high flow polypropylene random copolymer. It is known for its high clarity, good dimensional stability, dust resistance and good balance of stiffness and impact properties. This grade is especially suitable for thin wall injection molding, with potential end uses including containers and boxes for CD's and DVD's.

General Information			
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	High Clarity		
	High Flow		
	Medium Rigidity		
	Random Copolymer		
Uses	Containers		
	Household Goods		
	Media Packaging		
	Thin-walled Containers		
Forms	Pellets		
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)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	47	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	86.0	°C	ASTM D648

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