

Moplen RP1085

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Developmental Grade Moplen RP1085 is a polypropylene random copolymer. With its high melt flow, gloss and transparency, this product is particularly suitable for injection molding. Potential end use applications include housewares, caps and food packaging.

General Information			
Additive	Antistatic		
Features	Antistatic		
	High Clarity		
	High Flow		
	High Gloss		
	Low Warpage		
	Random Copolymer		
Uses	Caps		
	Containers		
	Food Packaging		
	Household Goods		
	Media Packaging		
Appearance	Clear/Transparent		
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)	40	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)	31.4	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

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