

Moplen RP348N

Polypropylene Random Copolymer

PolyMirae

Message:

Moplen RP348N is the polypropylene random copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen RP348N is a random copolymer particularly suitable for injection molding of houseware.
Moplen RP348N meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	High Gloss		
	Low Odor Transfer		
	Low Taste Transfer		
Uses	Bottles		
	Containers		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	28.4	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	13	%	ASTM D638
Flexural Modulus (Injection Molded)	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	86.0	°C	ASTM D648

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