

Moplen HP740T

Polypropylene Random Copolymer

PolyMirae

Message:

Moplen HP740T is a nucleated polypropylene HOMO polymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen HP740T is a homopolymer selected by customers for use in wall injection molding for packaging, food tray.
Moplen HP740T meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Additive	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	High Flow		
	High Gloss		
	Nucleated		
	Random Copolymer		
Uses	Caps		
	Food Packaging		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	36.3	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	23	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed, Injection Molded)

125

°C

ASTM D648

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