

Moplen EP300C

High Melt Strength Polypropylene

PolyMirae

Message:

Moplen EP300C is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP300C is a block copolymer typically used by customers in sheet and thermoforming applications. Moplen EP300C resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	High Stiffness		
	Medium Rigidity		
Uses	Corrugated Sheet		
	Food Packaging		
	Irrigation Applications		
	Sheet		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	31.4	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	59	J/m	
23°C, Injection Molded	690	J/m	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	152	°C	ASTM D1525

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