

Moplen EP300C

High Melt Strength Polypropylene

PolyMirae

Message:

Moplen EP300C is a polypropylene impact copolymer manufactured using the Spheripol process. Potential applications include sheet and profile extrusion, as well as thermoforming. Other specific applications may include food packaging and trays.

General Information	
Features	Impact copolymer
	Good stretchability
	Good melt strength
	Compliance of Food Exposure
Uses	Wave plate
	Sheet
	Container
	Food packaging
Forms	Particle
Processing Method	Pipeline extrusion molding
	Sheet extrusion molding
	Thermoforming

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)	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)	31.4	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	59	J/m	ASTM D256
23°C	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	152	°C	ASTM D1525

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Recommended distributors for this material

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