

Moplen EP5078

Polypropylene Copolymer

PolyMirae

Message:

"Moplen" EP5078 is a low fluidity heterophasic copolymer designed for extrusion applications with smooth process ability and high mechanical properties. Main applications are extrusion of film/sheet and Thermoforming for heavy duty applications, lamination film and extrusion blow molding containers. "Moplen" EP5078 is suitable for food contact.

Product Features

No Gel / No Odor Good Stiffness and Impact resistance/ Good Heat resistance/ Good Aesthetic/

Typical Applications

Multilayer packaging/ High heat resistance thermoforming tray/Blow Molding for cosmetic & detergents bottles : EBM/Sheet extrusion with high gloss/

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Gloss		
	High Heat Resistance		
	Low Flow		
	Low to No Odor		
	Pleasing Surface Appearance		
Uses	Blow Molding Applications		
	Blown Containers		
	Bottles		
	Cosmetic Packaging		
	Film		
	Laminates		
	Packaging		
	Sheet		
	Support Trays		
Processing Method	Blow Molding		
	Extrusion		
	Film Extrusion		
	Sheet Extrusion		
	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
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	29.4	MPa	ASTM D638
Flexural Modulus	1370	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	107	°C	ASTM D648

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