

Pristene RM5100

Polyolefin

PolyMirae

Message:

Pristene RM5100 resin, part of a specialty resins family produced using proprietary single-site catalysts, offers potential solutions for customers. The resin sets new industry standards in high clarity and stiffness, offering opportunities for converters and end users to extend the boundaries of application performance. The use of proprietary single site catalysts to produce the resin translates into products with excellent aesthetics, surface gloss and purity. The high level of purity enables its use in consumer goods.

Product Features

High clarity and gloss/Good balance of Stiffness and transparency /High level of purity enables its use in consumer goods

Typical Applications

Sheet& Thermoforming / Blow Molding (EBM, IBM, ISBM) / Film applications

General Information			
Features	Clean/High Purity		
	Copolymer		
	Good Dimensional Stability		
	High Clarity		
	High Gloss		
	High Stiffness		
	Pleasing Surface Appearance		
Uses	Blow Molding Applications		
	Film		
	Sheet		
Appearance	Clear/Transparent		
Processing Method	Blow Molding		
	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)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.3	MPa	ASTM D638
Flexural Modulus	1370	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

100

°C

ASTM D648

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