

Technical Data Sheet

Pristene RM5500

Polypropylene, Random Copolymer

Product Description

Pristene RM5500 is a metallocene polypropylene random copolymer with ultra high clarity and gloss, high purity, good stiffness and impact balance and low volatile content. Typical customer applications are baby feed bottles (IBM/ISBM), transparent containers, food containers, cosmetic containers.

Regulatory Status

For regulatory compliance information, see *Pristene* RM5500 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Developmental
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Clear Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Blow Molding; Injection Molding; Injection Stretch Blow Molding
Attribute	High Clarity; High Gloss; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	40	J/m	ASTM D256