



Pristene & Stretchene®

lyondellbasell

Characteristics

- Exceptionally high clarity
- Good stiffness/impact balance
- Fast processability
- Low volatiles & extractables
- Melt stability
- No pre-drying

Applications

- Food & cosmetic packaging
- Baby & juice bottles
- Lab ware
- Media packaging

Characteristics

- Low density of 0.90 g/cm³ (30% lower than PET) for potential weight savings
- Excellent transparency at container wall
- High thermal stability for hot fill, sterilisation and microwave requirements
- Energy saving in processing – no drying required
- Excellent low water transmission rates

Applications

- Bottles and wide neck jars
- Food & beverage
- Cosmetics
- Hot fill applications



Pristene & Stretchene®



Property	Thermal Properties			Mechanical Properties					Special Characteristics
	MFR 230°C/2.16kg	HDT/B 0.45MPa	VICAT VST/ A50	Tensile Modulus	Tensile stress @ Yield	Izod Impact Notched 23°C	Izod Impact Notched 0°C	Haze (1 mm) ASTM D 1003	
Grade	ISO 1133 g/10min	ISO 75 °C	ISO 306 °C	ISO 527 Mpa	ISO 527 Mpa	ISO 180 kJ/m ²	ISO 180 kJ/m ²	ASTM D 1003 %	premium performance high fluidity nucleated metallocene polyolefin for injection moulding. Outstanding transparency, high stiffness and low warpage for media packaging, food/beverage packaging, housewares and technical products
Pristene RM2073	40	85	130	1400	32	4	2	2	
Pristene RM 2091	3.5	75	120	1050	30	12	3	2	

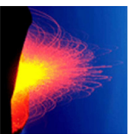
STRETCHENE

Property	Thermal Properties			Mechanical Properties					Special Characteristics
	MFR 230°C/2.16kg	HDT/B 0.45MPa	VICAT VST/ A50	Tensile Modulus	Tensile stress @ Yield	Charpy Impact Notched 23°C	Charpy Im- pact Notched 0°C	Haze (1 mm) ASTM D 1003	
Grade	ISO 1133 g/10min	ISO 75 °C	ISO 306 °C	ISO 527 Mpa	ISO 527 Mpa	ISO 179/1eA kJ/m ²	ISO 179/1eA kJ/m ²	ASTM D 1003 %	medium modified random copolymer, excellent processability, good clarity, high stiffness and chemical resistance for injection stretch blow moulding for random copolymer for injection stretch blow moulding with very good transparency and gloss for packaging of detergents, cosmetics and general consumer packaging.
Stretchene RP-1685	10	108		1450	33	3.9	1.5	<5	
Stretchene RP-1903	10.5	72		1100	30	6	2	<3	

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The properties described in this handout are extracted from literature supplied by their manufacturer. The indicated values do not constitute any type of explicit or implicit guarantee to the clients if they decide if the product is suitable for their application.