



## Stretchene RP1903

### Polypropylene, Random Copolymer

#### Product Description

"Stretchene" RP1903 is a random copolymer, suitable for injection stretch blow moulding (ISBM) applications.

The product features very good transparency and gloss.

"Stretchene" RP1903 is commonly used in packaging of detergents, cosmetics and others where ISBM bottles are used as the packaging.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Injection Stretch Blow Molding
<b>Features</b>	Good Chemical Resistance, High Clarity, Random Copolymer, Detergent Resistant, Good Impact Resistance, Nucleated
<b>Typical Customer Applications</b>	Consumer Packaging, Housewares

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.905	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	10,5	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	15	cm <sup>3</sup> /10min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1100	MPa
Tensile Stress at Yield	ISO 527-1, -2	30	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	14	%
<b>Impact</b>			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		200	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise)		100	kJ/m <sup>2</sup>
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise, Notch A)		2	kJ/m <sup>2</sup>
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	58	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	72	°C

#### Additional Properties

Haze (injection moulded 1mm disk) - ASTM D1003 - 1mm plaque - 9% Haze (0,4mm blown bottle wall) - ASTM D1003 - 0,4mm - <3%

## Notes

Typical properties; not to be construed as specifications.

## Further Information

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For safety or regulatory compliance information refer to the relevant MSDS or RAPIDS.