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

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.905	g/cm³
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	cm³/10min
Mechanical			
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	%
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		200	kJ/m²
(0 °C, Type 1, Edgewise)		100	kJ/m²
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6	kJ/m²
(0 °C, Type 1, Edgewise, Notch A)		2	kJ/m²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	58	MPa
Thermal			
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

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