

TECHNICAL DATA SHEET

B202S

Polypropylene Random Copolymer

Characteristics

B202S is a **Polypropylene Random Copolymer**, produced by the latest generation **Spheripol Technology**. This is primarily suitable for **Blow Molding & Extrusion** process.

B 202S combines **exceptional processability with excellent Melt Strength, High Clarity and Gloss**.

Product produced from B 202S is suitable for Food Contact and for packaging / bottling Medical Fluids like IV fluid etc.

Application

- Bottles & Containers for Medical Application (e.g. IV Fluid Bottles)

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 ⁰ C)	ASTM D 1238	g/10 min	1.9
Density at 23°C	ASTM D 1505	g/cm ³	0.90
Tensile Strength at Yield	ASTM D 638 * (Type I - with Extensometer)	MPa	26
Tensile Elongation at Yield		%	6
Flexural Modulus	ASTM D 790	MPa	850
Izod Impact Strength (Notch, 23°C)	ASTM D 256	J/m	110
Vicat Softening Point (10N)	ASTM D 1525	°C	130
Heat Deflection Temperature (0.46 N/m ²)	ASTM D 648	°C	68

Typical Processing Temperature

Barrel Temperature	°C	160 - 210
Die Temperature	°C	190 - 210

** Mechanical properties tested on Injection Molded Test Specimens (Type I)*

The above typical properties are not to be construed as Specifications and may change without any prior notice. The User will solely be responsible for any intended process / product usage and HPL does not guarantee or undertake any responsibility for any consequential damage or loss based on the information given above.