

Technical Data Sheet



Purell EP494T

Polypropylene, Impact Copolymer

Product Description

Purell EP494T is a nucleated polypropylene impact copolymer intended for use in injection molding processes. This resin offers good mold release, low-temperature impact resistance, and antistatic properties suitable for healthcare applications*.

Additional features:

- DMF Listed
- Autoclaveable
- Ethylene Oxide Sterilizable
- Made with non-phthalate technology

Regulatory Status

For regulatory compliance information, see [Purell EP494T Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial
Availability	North America
Application	Healthcare Applications; Medical Devices
Market	Healthcare
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Mold Release; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	50	g/10 min	50	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	170000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1170	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3500	psi			ASTM D638
(50 mm/min)			24	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.7	ft-lb/in			ASTM D256
(23 °C, Method A)			91	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	232	°F			ASTM D648
(0.45 MPa, Unannealed)			111	°C	ASTM D648

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Notes

These are typical property values not to be construed as specification limits.

*All potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical and Business contacts first. To discuss a medical/pharmaceutical application please contact your local LyondellBasell reference or your local Distributor.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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