

# Technical Data Sheet

## Pro-fax EP495K



Polypropylene, Impact Copolymer

### Product Description

Pro-fax EP495K nucleated, very high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion or injection molding applications and offers excellent low temperature impact resistance.

### Regulatory Status

For regulatory compliance information, see Pro-fax EP495K [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	North America
<b>Application</b>	Crates; Pallets/Trays/Tote Bins
<b>Market</b>	Consumer Products; Industrial Packaging
<b>Processing Method</b>	Injection Molding; Sheet and Profile Extrusion
<b>Attribute</b>	Antistatic; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	4.0	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm <sup>3</sup>	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	160000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1100	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3400	psi			ASTM D638
(50 mm/min)			23.5	MPa	ASTM D638
Tensile Elongation at Yield	7	%	7	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	No Break				ASTM D256
(23 °C, Method A)			No Break		ASTM D256
Gardner Impact, (-22 °F, Geometry GC)	200	in-lbs	22	J	ASTM D5420
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	215	°F			ASTM D648
(0.45 MPa, Unannealed)			102	°C	ASTM D648

## Notes

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

## 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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