

## Technical Data Sheet

### *Pro-fax* RP548N



Polypropylene, Random Copolymer

#### Product Description

*Pro-fax* RP548N nucleated polypropylene random copolymer is available in pellet form. This resin is typically used in injection molding applications and offers fast crystallization and antistatic properties.

#### Regulatory Status

For regulatory compliance information, see *Pro-fax* RP548N [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Caps & Closures; Containers
Market	Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Dimensional Stability; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	11	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)	145000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1000	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4000	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	13	%	13	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	1.2	ft-lb/in			ASTM D256
(23 °C, Method A)			64	J/m	ASTM D256
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	180	°F			ASTM D648
(0.45 MPa, Unannealed)			82	°C	ASTM D648
<b>Optical</b>					
Haze, (45 mil)	40	%	40	%	ASTM D1003

## 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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