

Technical Data Sheet

Pro-fax SG722



Polypropylene, Impact Copolymer

Product Description

Pro-fax SG722 fully formulated high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers very good cold temperature impact resistance.

Regulatory Status

For regulatory compliance information, see Pro-fax SG722 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|---|
| Status | Commercial: Active |
| Availability | North America |
| Application | Containers; Housewares; Sports, Leisure & Toys |
| Market | Consumer Products; Rigid Packaging |
| Processing Method | Compounding; Injection Molding |
| Attribute | Contains Antistat; High Gloss; High Impact Resistance; Medium Slip; Nucleated |

| Typical Properties | Nominal Value | English Units | Nominal Value | SI Units | Test Method |
|---------------------------------------|---------------|-------------------|---------------|-------------------|-------------|
| Physical | | | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 25 | g/10 min | 25 | g/10 min | ASTM D1238 |
| Density, (23 °C) | 0.90 | g/cm ³ | 0.90 | g/cm ³ | ASTM D792 |
| Mechanical | | | | | |
| Flexural Modulus | | | | | |
| (0.05 in/min, 1% Secant, Procedure A) | 150000 | psi | | | ASTM D790 |
| (1.3 mm/min, 1% Secant, Procedure A) | | | 1030 | MPa | ASTM D790 |
| Tensile Strength at Yield | | | | | |
| (2 in/min) | 3300 | psi | | | ASTM D638 |
| (50 mm/min) | | | 23 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 7 | % | 7 | % | ASTM D638 |
| Impact | | | | | |
| Notched Izod Impact Strength | | | | | |
| (73 °F, Method A) | No Break | | | | ASTM D256 |
| (23 °C, Method A) | | | No Break | | ASTM D256 |
| Thermal | | | | | |
| Deflection Temperature Under Load | | | | | |
| (66 psi, Unannealed) | 210 | °F | | | ASTM D648 |
| (0.45 MPa, Unannealed) | | | 99 | °C | ASTM D648 |
| Optical | | | | | |
| Gloss, (60°) | 86 | | 86 | | ASTM D2457 |

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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