

Moplen EP548S

Polypropylene, Impact Copolymer

Product Description

Moplen EP548S is a nucleated heterophasic copolymer with antistatic agent used injection moulding applications.

It combines a good impact/stiffness balance with a high fluidity.

Moplen EP548S is typically used by customers in opaque containers, housewares, toys and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.).

Regulatory Status

For regulatory compliance information, see Moplen EP548S [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|---|
| Status | Commercial: Active |
| Availability | Africa-Middle East; Europe |
| Application | Housewares; Opaque Containers; Sports, Leisure & Toys |
| Market | Consumer Products; Rigid Packaging |
| Processing Method | Injection Molding |
| Attribute | Contains Antistat; High Flow; Impact Copolymer; Nucleated |

| Typical Properties | Nominal | | Test Method |
|---|---------|----------|-------------|
| | Value | Units | |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 44 | g/10 min | ASTM D1238 |
| Density | 0.9 | g/cm³ | ASTM D792 |
| Mechanical | | | |
| Flexural Modulus | 1500 | MPa | ASTM D790 |
| Tensile Strength at Yield | 27 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 4 | % | ASTM D638 |
| Impact | | | |
| Notched Izod Impact Strength, (23 °C) | 46 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load, (0.46 N/mm²) | 116 | °C | ASTM D648 |

Notes

ASTM properties above are typical values of LYB products from Asia.

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

Company Information

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

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- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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