# Moplen EP348U

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

Moplen EP348U is a nucleated, antistatic formulated, very high flow heterophasic copolymer used for thin-walled injection moulding applications.
Moplen EP348U features an excellent balance between easy processing and good impact strength.
The main applications of Moplen EP348U are margarine tubs, packaging for dairy products, ice cream containers, lids, caps, housewares, toy boxes, flower pots and laundry baskets.

| General Information | |
|---|---|
| Additive | Antistatic |
| | Nucleating Agent |
| Features | Antistatic |
| | Good Impact Resistance |
| | Good Processability |
| | High Flow |
| | Impact Copolymer |
| | Nucleated |
| Uses | Caps |
| | Closures |
| | Containers |
| | Food Containers |
| | Household Goods |
| | Lids |
| Forms | Pellets |
| Processing Method | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 0.900 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 70 | g/10 min | ISO 1133 |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 95.0 | cm³/10min | ISO 1133 |

| Hardness | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Ball Indentation Hardness (H 358/30) | 50.0 | MPa | ISO 2039-1 |

| Mechanical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Tensile Modulus | 1200 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 24.0 | MPa | ISO 527-2 |
| Tensile Strain | | | ISO 527-2 |
| Yield | 4.0 | % | |

| | | | |
|---|---|---|---|
| Break | 30 | % | |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -20°C | 3.2 | kJ/m² | |
| 0°C | 4.0 | kJ/m² | |
| 23°C | 5.5 | kJ/m² | |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -20°C | 80 | kJ/m² | |
| 0°C | 100 | kJ/m² | |
| 23°C | 110 | kJ/m² | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 92.0 | °C | ISO 75-2/B |
| Ductile / Brittle Transition Temperature | -45.0 | °C | ISO 6603-2 |
| Vicat Softening Temperature | | | |
| -- | 150 | °C | ISO 306/A50 |
| -- | 65.0 | °C | ISO 306/B50 |
| Optical | Nominal Value | | Test Method |
| Gloss (60°) | 60 | | ASTM D2457 |



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China