Technical Data Sheet

# *Moplen* EP640T

Polypropylene, Impact Copolymer

## Product Description

*Moplen* EP640T is a polypropylene impact copolymer with optimized balance of stiffness and toughness, low warpage, and high impact strength at low temperature. Typical customer applications are injection molding of electrical appliance parts, thin-wall packaging, and base resin of compounds for auomotives.

## Regulatory Status

For regulatory compliance information, see *Moplen* EP640T Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

| | |
|---|---|
| **Status** | Commercial: Active |
| **Availability** | Africa-Middle East; Asia-Pacific; Australia and New Zealand |
| **Application** | Cooling Appliances; Dishwashing Appliances; Housewares; Opaque Containers; Washing Appliances |
| **Market** | Automotive; Consumer Products; Electrical / Electronics; Rigid Packaging |
| **Processing Method** | Injection Molding |
| **Attribute** | High Flow; High Stiffness; Impact Copolymer |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 51 | g/10 min | ASTM D1238 |
| Density | 0.90 | g/cm³ | ASTM D792 |
| **Mechanical** | | | |
| Flexural Modulus | 1700 | MPa | ASTM D790 |
| Tensile Strength at Yield | 28 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 5 | % | ASTM D638 |
| **Impact** | | | |
| Notched Izod Impact Strength | | | |
| (23 °C) | 70 | J/m | ASTM D256 |
| (-20 °C) | 30 | J/m | ASTM D256 |
| **Hardness** | | | |
| Rockwell Hardness, (R-Scale) | 98 | | ASTM D785 |
| **Thermal** | | | |
| Vicat Softening Point | 150 | °C | ASTM D1525 |
| Deflection Temperature Under Load, (0.46 N/mm²) | 125 | °C | ASTM D648 |



Manufacturer website: https://www.lyondellbasell.com/en/

## Notes

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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