

Technical Data Sheet

Metocene HM650V



Metallocene PP Homopolymer

Product Description

Metocene HM650V is a metallocene-catalyzed homopolymer for compounding and injection molding with very high melt flow rate.

Metocene HM650V has an excellent stiffness, outstanding organoleptic properties and a low warpage.

Regulatory Status

For regulatory compliance information, see *Metocene* HM650V [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|--|
| Status | Commercial: Active |
| Availability | Europe |
| Application | Automotive Parts; Containers; Polymer Modifier |
| Market | Automotive; Compounding; Consumer Products; Rigid Packaging |
| Processing Method | Injection Molding |
| Attribute | Excellent Stiffness; Good Flow; Low to No Odor; Low Viscosity; Low Warpage |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 150 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 1450 | MPa | ISO 178 |
| Tensile Stress at Yield, (23 °C) | 35 | MPa | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C) | 7 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Unnotched, (23 °C) | 50 | kJ/m ² | ISO 179-1/1eU |
| Thermal | | | |
| Vicat Softening Temperature, (B50) | 98 | °C | ISO 306 |
| DSC Melting Point | 154 | °C | ISO 11357-3 |

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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