

# Hifax BB 73 G C12719

Polypropylene Copolymer

LyondellBasell Industries

## Message:

Hifax BB 73 G is a high melt flow, 20% mineral filled polypropylene copolymer for injection moulding. It is designed for high rigidity, thermal and dimensional stability. Due to its excellent flowability sophisticated designs and long flow paths can be realised.

It has a special UV stabilisation package for outdoor usage.

The product is available in custom colour, pellet form.

| General Information                       |                              |                   |             |
|---|------------------------------|-------------------|-------------|
| Filler / Reinforcement                    | Mineral,20% Filler by Weight |                   |             |
| Additive                                  | UV Stabilizer                |                   |             |
| Features                                  | Copolymer                    |                   |             |
|   | Good Dimensional Stability   |                   |             |
|   | Good Impact Resistance       |                   |             |
|   | Good Thermal Stability       |                   |             |
|   | High Flow                    |                   |             |
|   | High Rigidity                |                   |             |
|   | Non-Toxic                    |                   |             |
|   | Pleasing Surface Appearance  |                   |             |
| Uses                                      | Automotive Applications      |                   |             |
|   | Automotive Exterior Trim     |                   |             |
| Appearance                                | Colors Available             |                   |             |
| Forms                                     | Pellets                      |                   |             |
| Processing Method                         | Injection Molding            |                   |             |
| Physical                                  | Nominal Value                | Unit              | Test Method |
| Density                                   | 1.07                         | g/cm <sup>3</sup> | ISO 1183/A  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 20                           | g/10 min          | ISO 1133    |
| Mechanical                                | Nominal Value                | Unit              | Test Method |
| Tensile Stress (Yield)                    | 21.0                         | MPa               | ISO 527-2   |
| Tensile Strain (Break)                    | 20                           | %                 | ISO 527-2   |
| Flexural Modulus                          | 2100                         | MPa               | ISO 178     |
| Impact                                    | Nominal Value                | Unit              | Test Method |
| Notched Izod Impact Strength              |                              |                   | ISO 180/1A  |
| -30°C                                     | 3.8                          | kJ/m <sup>2</sup> |             |
| 23°C                                      | 5.0                          | kJ/m <sup>2</sup> |             |
| Thermal                                   | Nominal Value                | Unit              | Test Method |

|                             |      |    |             |
|-----------------------------|------|----|-------------|
| Heat Deflection Temperature |      |    |             |
| 0.45 MPa, Unannealed        | 105  | °C | ISO 75-2/B  |
| 1.8 MPa, Unannealed         | 56.0 | °C | ISO 75-2/A  |
| Vicat Softening Temperature | 69.0 | °C | ISO 306/B50 |

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