

# Hostacom HKC 182L G72432

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Hostacom HKC 182L G72432 is a mineral filled PP homopolymer, with medium melt flow rate. Product is UL listed.  
This grade is not intended for medical, pharmaceutical, food and drinking water applications.

| General Information                               |                       |           |             |
|---------------------------------------------------|-----------------------|-----------|-------------|
| Filler / Reinforcement                            | Mineral filler        |           |             |
| Features                                          | Homopolymer           |           |             |
|                                                   | Medium liquidity      |           |             |
| Uses                                              | Electrical appliances |           |             |
| Processing Method                                 | Injection molding     |           |             |
| Physical                                          | Nominal Value         | Unit      | Test Method |
| Density (23°C)                                    | 1.15                  | g/cm³     | ISO 1183/A  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)         | 11                    | g/10 min  | ISO 1133    |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)       | 11.0                  | cm³/10min | ISO 1133    |
| Mechanical                                        | Nominal Value         | Unit      | Test Method |
| Tensile Modulus (23°C)                            | 3300                  | MPa       | ISO 527-2   |
| Tensile Stress (Yield, 23°C)                      | 33.0                  | MPa       | ISO 527-2   |
| Tensile Strain (Yield, 23°C)                      | 4.5                   | %         | ISO 527-2   |
| Flexural Modulus <sup>1</sup> (23°C)              | 3400                  | MPa       | ISO 178/A   |
| Impact                                            | Nominal Value         | Unit      | Test Method |
| Charpy Notched Impact Strength                    |                       |           | ISO 179/1eA |
| 0°C                                               | 2.0                   | kJ/m²     | ISO 179/1eA |
| 23°C                                              | 2.5                   | kJ/m²     | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  |                       |           | ISO 179/1eU |
| 0°C                                               | 15                    | kJ/m²     | ISO 179/1eU |
| 23°C                                              | 28                    | kJ/m²     | ISO 179/1eU |
| Thermal                                           | Nominal Value         | Unit      | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 70.0                  | °C        | ISO 75-2/A  |
| Vicat Softening Temperature                       | 92.0                  | °C        | ISO 306/B   |
| Flammability                                      | Nominal Value         |           | Test Method |
| Flame Rating                                      |                       |           | UL 94       |
| 1.5 mm                                            | HB                    |           | UL 94       |
| 3.0 mm                                            | HB                    |           | UL 94       |
| NOTE                                              |                       |           |             |

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