



## Hostacom HKG743T

### Compounded Polyolefin

#### Product Description

Hostacom HKG743T black, 40% glass/ mineral-reinforced polypropylene homopolymer has exceptional stiffness and good dimensional stability. It was designed primarily as a potential replacement for more costly engineering thermoplastics. Typical applications include automotive underhood components, instrument panel substrates, and electronic housings.

#### Product Characteristics

|                               |                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------|
| Status                        | Commercial: Active                                                                         |
| Test Method used              | ISO                                                                                        |
| Availability                  | North America                                                                              |
| Processing Methods            | Injection Molding                                                                          |
| Features                      | Chemically Coupled, Homopolymer, Good Impact Resistance , Good Moldability , High Rigidity |
| Typical Customer Applications | Under-the-Hood & Structural Applications                                                   |

| Typical Properties                                         | Method        | Value | Unit              |
|------------------------------------------------------------|---------------|-------|-------------------|
| <b>Physical</b>                                            |               |       |                   |
| Density                                                    | ISO 1183      | 1.22  | g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16Kg)                        | ISO 1133      | 8     | g/10 min          |
| Note: Alternative test method is ASTM D 1238-01.           |               |       |                   |
| <b>Mechanical</b>                                          |               |       |                   |
| Tensile Stress at Yield                                    | ISO 527-1, -2 | 76    | MPa               |
| Tensile Strain at Yield                                    | ISO 527-1, -2 | 3     | %                 |
| Flexural modulus                                           | ISO 178       | 7000  | MPa               |
| <b>Impact</b>                                              |               |       |                   |
| Notched izod impact strength                               | ISO 180       |       |                   |
| (23 °C)                                                    |               | 8.0   | kJ/m <sup>2</sup> |
| (-40 °C)                                                   |               | 5.7   | kJ/m <sup>2</sup> |
| <b>Thermal</b>                                             |               |       |                   |
| Heat deflection temperature B (0.45 MPa) Unannealed        | ISO 75B-1, -2 | 150   | °C                |
| Heat deflection temperature A (1.80 MPa) Unannealed        | ISO 75A-1, -2 | 141   | °C                |
| <b>Additional Information</b>                              |               |       |                   |
| Mold shrinkage                                             | ISO 294-4     |       |                   |
| Note: Please contact Basell for shrinkage recommendations. |               |       |                   |

#### Notes

Typical properties; not to be construed as specifications.