

## Technical Data Sheet

### Hostacom EKG 2130-5L NAT



Polypropylene Compounds

#### Product Description

Hostacom EKG 2130-5L NAT is a 50% glass fiber reinforced PP (coupled). It combines excellent stiffness properties with good dimensional stability and low creep under load at elevated temperatures.

Product is UL certified.

*This grade is not intended for medical, pharmaceutical, food and drinking water applications.*

|                   |                          |
|-------------------|--------------------------|
| Application       | White Goods              |
| Market            | Electrical / Electronics |
| Processing Method | Injection Molding        |

| Typical Properties                                        | Nominal Value | Units      | Test Method   |
|-----------------------------------------------------------|---------------|------------|---------------|
| <b>Physical</b>                                           |               |            |               |
| Melt Flow Rate                                            |               |            |               |
| (230 °C/2.16 kg)                                          | 5             | g/10 min   | ASTM D1238    |
| (230 °C/2.16 kg)                                          | 4             | g/10 min   | ISO 1133-1    |
| Melt Volume Flow Rate, (230 °C/2.16 kg)                   | 5             | cm³/10 min | ISO 1133-1    |
| Density                                                   |               |            |               |
| (23 °C)                                                   | 1.32          | g/cm³      | ISO 1183-1/A  |
| (23 °C)                                                   | 1.33          | g/cm³      | ASTM D792     |
| <b>Mechanical</b>                                         |               |            |               |
| Flexural Modulus                                          |               |            |               |
| (23 °C)                                                   | 110000        | kg/cm²     | ASTM D790     |
| (23 °C, Tech. A)                                          | 11500         | MPa        | ISO 178/A1    |
| Flexural Strength                                         |               |            |               |
| (23 °C)                                                   | 1670          | kg/cm²     | ASTM D790     |
| (23 °C, Tech. A)                                          | 190           | MPa        | ISO 178/A1    |
| Tensile Modulus                                           |               |            |               |
| (23 °C)                                                   | 106800        | kg/cm²     | ASTM D638     |
| (23 °C)                                                   | 11000         | MPa        | ISO 527-1, -2 |
| Tensile Strength, (23 °C)                                 | 1230          | kg/cm²     | ASTM D638     |
| Tensile Stress at Break, (23 °C)                          | 130           | MPa        | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)                          | 2.6           | %          | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |            |               |
| Charpy Impact Strength - Notched, (23 °C)                 | 12            | kJ/m²      | ISO 179-1/1eA |
| Charpy Impact Strength - Unnotched, (23 °C)               | 60            | kJ/m²      | ISO 179-1/1eU |
| Notched Izod Impact Strength, (23 °C)                     | 12            | kg*cm/cm   | ASTM D256     |
| <b>Thermal</b>                                            |               |            |               |
| Vicat Softening Temperature, (B50)                        | 140           | °C         | ISO 306       |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 153           | °C         | ASTM D648     |