

## Technical Data Sheet

### Hostacom ERC 1122N NATURAL



Polypropylene Compounds

#### Product Description

Hostacom ERC 1122N NATURAL is a 15% mineral filled, polypropylene copolymer for injection molding. It combines excellent stiffness, scratch resistance and flowability with good impact and dimensional stability. It is typically used for molding of automotive interior trim parts.

|                   |                                  |
|-------------------|----------------------------------|
| Application       | Interior Automotive Applications |
| Market            | Automotive                       |
| Processing Method | Injection Molding                |

| Typical Properties                                           | Nominal Value | Units             | Test Method   |
|--------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                              |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 15            | g/10 min          | ASTM D1238    |
| Density, (23 °C)                                             | 1.01          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                            |               |                   |               |
| Flexural Modulus, (23 °C)                                    | 2380          | MPa               | ISO 178       |
| Tensile Stress at Yield, (23 °C)                             | 28            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                                |               |                   |               |
| Charpy Impact Strength - Notched                             |               |                   |               |
| (23 °C)                                                      | 7.0           | kJ/m <sup>2</sup> | ISO 179       |
| (-30 °C)                                                     | 2.5           | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                               |               |                   |               |
| Deflection Temperature Under Load                            |               |                   |               |
| (0.45 MPa, Unannealed)                                       | 110           | °C                | ISO 75B-1, -2 |
| (1.80 MPa, Unannealed)                                       | 60            | °C                | ISO 75A-1, -2 |
| <b>Additional Information</b>                                |               |                   |               |
| Mold Shrinkage                                               |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations. |               |                   |               |