

## Technical Data Sheet

### Hostacom TRC 1193N HF Natural

Polypropylene Compounds

#### Product Description

Hostacom TRC 1193N HF Natural is a high melt flow, high stiffness, high impact thermoplastic polyolefin (TPO) resin. It has an excellent balance of processability, rigidity, impact, scratch and mar resistance. It is typically used for injection molding of Instrumental Panels and other interior trim parts or components with good surface appearance properties.

|                          |   |
|--------------------------|---|
| <b>Application</b>       | Instrument Panels; Interior Automotive Applications   |
| <b>Market</b>            | Automotive  |
| <b>Processing Method</b> | Injection Molding   |
| <b>Attribute</b>         | Excellent Processability; Good Moldability; High Flow; High Impact Resistance; High Rigidity; Scratch Resistant |

| Typical Properties   | Nominal Value | Units             | Test Method   |
|--|---------------|-------------------|---------------|
| <b>Physical</b>  |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 33            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)   | 1.00          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>  |               |                   |               |
| Flexural Modulus   | 2000          | MPa               | ISO 178       |
| Tensile Stress at Yield                                      | 20            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>  |               |                   |               |
| Charpy Impact Strength - Notched                             |               |                   |               |
| (23 °C)  | 50            | kJ/m <sup>2</sup> | ISO 179       |
| (-30 °C)   | 6             | kJ/m <sup>2</sup> | ISO 179       |
| Multi-axial Impact Strength, (-30°C, 6.6 m/s, 3.2 mm plaque) | 24            | J                 | ASTM D3763    |
| Ductile Failure Mode   |               |                   |               |
| <b>Thermal</b>   |               |                   |               |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed)    | 105           | °C                | ISO 75B-1, -2 |
| <b>Additional Information</b>                                |               |                   |               |
| Mold Shrinkage   |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations. |               |                   |               |