



## Hifax TRC 1204P

### Compounded Polyolefin

#### Product Description

Hifax TRC 1204P has a very high melt flow, very high flexural modulus, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed for use in multiple automotive exterior applications and for applications requiring high stiffness and low CLTE.

#### Product Characteristics

|                               |                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Status                        | Commercial: Active                                                                                                |
| Test Method used              | ISO                                                                                                               |
| Availability                  | North America                                                                                                     |
| Processing Methods            | Injection Molding                                                                                                 |
| Features                      | Good Dimensional Stability, High Flow , Good Impact Resistance , Good Moldability , Low Shrinkage, High Stiffness |
| Typical Customer Applications | Exterior Applications                                                                                             |

| Typical Properties                                                 | Method        | Value | Unit              |
|--------------------------------------------------------------------|---------------|-------|-------------------|
| <b>Physical</b>                                                    |               |       |                   |
| Density (Method A)                                                 | ISO 1183      | 1.16  | g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16kg)                                | ISO 1133      | 30    | g/10 min          |
| <b>Mechanical</b>                                                  |               |       |                   |
| Tensile Stress at Yield (23°C)                                     | ISO 527-1, -2 | 17    | MPa               |
| Flexural modulus (23°C)                                            | ISO 178       | 2700  | MPa               |
| <b>Additional Information</b>                                      |               |       |                   |
| Mold shrinkage                                                     | ISO 294-4     |       |                   |
| Note: Please contact LyondellBasell for shrinkage recommendations. |               |       |                   |

#### Additional Properties

Multi-axial instrumented impact, energy at max load at -10°C (2.2 m/sec) = 21 J (ductile failure mode). CLTE, Parallel = 2.7 E-05 1/°C. CLTE, Perpendicular = 2.7 E-05 1/°C.

#### Notes

Typical properties; not to be construed as specifications.