

Hostacom NXX91201

Compounded Polyolefin

Product Description

Hostacom NXX91201 conventional melt flow, 400 MPa flexural modulus, paintable thermoplastic elastomeric olefin (TEO) resin exhibits balanced strength, toughness, flexibility and ductility. Typical applications include automotive air bag door covers and closures and lid stock.

Product Characteristics

| | |
|-------------------------------|---|
| Status | Commercial: Active |
| Test Method used | ISO |
| Availability | North America |
| Processing Method | Injection Molding |
| Features | Ductile, Good Flexibility, Paintable, Good Toughness, Good Strength |
| Typical Customer Applications | Caps & Closures, Automotive Parts |

| Typical Properties | Method | Value | Unit |
|---|---------------|----------|-------------------|
| Physical | | | |
| Density | ISO 1183 | 0.89 | g/cm ³ |
| Melt flow rate (MFR) (230°C/2.16Kg) | ISO 1133 | 2.5 | g/10 min |
| <i>Note: Alternative test method is ASTM D 1238-01.</i> | | | |
| Mechanical | | | |
| Tensile Stress at Break | ISO 527-1, -2 | 10 | MPa |
| Tensile Stress at Yield | ISO 527-1, -2 | 8 | MPa |
| Tensile Strain at Break | ISO 527-1, -2 | 450 | % |
| Tensile Strain at Yield | ISO 527-1, -2 | 12 | % |
| Flexural modulus | ISO 178 | 400 | MPa |
| Impact | | | |
| Notched izod impact strength | ISO 180 | | |
| (-30 °C) | | No Break | |
| (23 °C) | | No Break | |
| (-40 °C) | | No Break | |
| Hardness | | | |
| Shore hardness (Shore D) | ISO 868 | 54 | |
| Thermal | | | |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 53 | °C |
| Heat deflection temperature A (1.80 MPa) Unannealed | ISO 75A-1, -2 | 37 | °C |

Additional Properties

Note: Mold shrinkage values are determined on laboratory injection molded 100 mm x 150 mm x 3.2 mm plaques and, as such, are not necessarily representative of actual field data. Since, for example, wall thickness, gate type and location, flow length and paint oven temperature affect final part dimensions, it is recommended that you contact your Basell representative before any tools are cut.

Notes

Typical properties; not to be construed as specifications.