



## Indure X220

### Compounded Polyolefin

#### Product Description

Indure X220 engineered polyolefin material is designed for large, molded-in-color automotive exterior applications that require good scratch-and-mar characteristics, high stiffness and good dimensional stability.

#### Product Characteristics

|                                      |                                                                                  |
|--------------------------------------|----------------------------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                                               |
| <b>Test Method used</b>              | ISO                                                                              |
| <b>Availability</b>                  | North America                                                                    |
| <b>Processing Method</b>             | Injection Moulding                                                               |
| <b>Features</b>                      | Good Dimensional Stability, Scratch Resistant, Good Colorability, High Stiffness |
| <b>Typical Customer Applications</b> | Exterior Applications                                                            |

| Typical Properties                                                        | Method        | Value Unit             |
|---------------------------------------------------------------------------|---------------|------------------------|
| <b>Physical</b>                                                           |               |                        |
| Density                                                                   | ISO 1183      | 1.08 g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230 °C/ 2.16 kg)                                    | ISO 1133      | 37 g/10 min            |
| <b>Mechanical</b>                                                         |               |                        |
| Tensile Stress at Yield (50 mm/min)                                       | ISO 527-1, -2 | 20.0 MPa               |
| <i>Note: 150x10x4 mm specimen</i>                                         |               |                        |
| Flexural modulus (2 mm/min)                                               | ISO 178       | 2100 MPa               |
| <i>Note: 80x10x4mm specimen</i>                                           |               |                        |
| <b>Impact</b>                                                             |               |                        |
| Multiaxial Impact Strength (23 °C, 2.2 m/s)                               | ASTM D3763    | 17 J                   |
| <b>Additional Information</b>                                             |               |                        |
| Mold shrinkage                                                            | ISO 294-4     |                        |
| <i>Note: Please contact LyondellBasell for shrinkage recommendations.</i> |               |                        |

#### Notes

Typical properties; not to be construed as specifications.

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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