



## Sequel 1825-UV

### Compounded Polyolefin

#### Product Description

Sequel 1825-UV thermoplastic polyolefin is designed for automotive and heavy-truck applications that require energy management combined with ductility, stiffness and impact resistance over a broad temperature range. This material exhibits excellent processability and dimensional stability

#### Product Characteristics

|                                      |   |
|--------------------------------------|---|
| <b>Status</b>                        | Commercial: Active  |
| <b>Test Method used</b>              | ISO   |
| <b>Availability</b>                  | North America   |
| <b>Processing Methods</b>            | Injection Molding   |
| <b>Features</b>                      | Good Dimensional Stability, Ductile, Low Temperature Impact Resistance, Good Processability, Good Stiffness |
| <b>Typical Customer Applications</b> | Bumpers, Exterior Applications  |

| Typical Properties  | Method        | Value | Unit              |
|---|---------------|-------|-------------------|
| <b>Physical</b>   |               |       |                   |
| Density   | ISO 1183      | 1.16  | g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16Kg)                                       | ISO 1133      | 15    | 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       | 2500  | MPa               |
| <i>Note: 80x10x4mm specimen</i>   |               |       |                   |
| <b>Impact</b>   |               |       |                   |
| Multiaxial Impact Strength  | ASTM D3763    |       |                   |
| (-30 °C, 2.2 m/s)   |               | 30    | J                 |
| (23 °C, 2.2 m/s)  |               | 16.5  | 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.