

## 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>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)<br><i>Note: 150x10x4 mm specimen</i>  | ISO 527-1, -2 | 20.0  | MPa               |
| Flexural modulus (2 mm/min)<br><i>Note: 80x10x4mm specimen</i>            | ISO 178       | 2500  | MPa               |
| <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.

