

Technical Data Sheet

Sequel 1780 BLK

Polypropylene Compounds



Product Description

Sequel 1780 BLK engineered polyolefin is typically used for mold-in-color or partially painted automotive exterior applications that require dimensional stability over a broad temperature range with enhanced scratch and mar resistance. This material exhibits excellent processability and low-temperature properties.

Regulatory Status

For regulatory compliance information, see *Sequel* 1780 BLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Automotive Parts; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Colorability; Good Dimensional Stability; Good Processability; Low Temperature Impact Resistance; Paintable; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ISO 1133-1
Density, (23 °C)	1.02	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C, 2 mm/min)	1500	MPa	ISO 178
Tensile Stress at Yield, (23 °C, 50 mm/min)	20	MPa	ISO 527-1, -2
Impact			
Multi-axial Impact Strength, (23° C, 2.2 m/s, 3.2 mm plaque)	16	J	ASTM D3763
Thermal			
Deflection Temperature Under Load, (66 psi, Unannealed)	88	°C	ASTM D648
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

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- (ii) applications involving permanent implantation into the body;
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