

Technical Data Sheet

DEXPRO E420-UV BLK

Polypropylene Compounds



Product Description

DEXPRO E420-UV BLK is a fractional melt flow, high flexural modulus thermoplastic polyolefin (TPO) formulated for ease of processing. It is typically used for thermoformed applications that require low-temperature toughness and dimensional stability.

Regulatory Status

For regulatory compliance information, see DEXPRO E420-UV BLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Industrial; Panels & Profiles
Market	Automotive; Industrial, Building & Construction
Processing Method	Sheet and Profile Extrusion; Thermoforming
Attribute	Good Dimensional Stability; Good Melt Strength

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.65	g/10 min	ISO 1133-1
Density, (23 °C)	1.06	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C, 2 mm/min)	2000	MPa	ISO 178
Tensile Stress at Yield, (23 °C, 50 mm/min)	27	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	50	kJ/m ²	ISO 180
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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Users should review the applicable Safety Data Sheet before handling the product.

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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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- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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