

## 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.

|                   |                                                 |
|-------------------|-------------------------------------------------|
| 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   |
|--------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                              |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 0.65          | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                             | 1.06          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                            |               |                   |               |
| 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 |
| <b>Impact</b>                                                |               |                   |               |
| Notched Izod Impact Strength, (23 °C)                        | 50            | kJ/m <sup>2</sup> | ISO 180       |
| <b>Additional Information</b>                                |               |                   |               |
| Mold Shrinkage                                               |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations. |               |                   |               |