

Ultradur® – One fits all

For extrusion and thermoforming



For more information please visit ultradurextrusion.basf.com



Perfect fit for injection molding

- High melting point
- Fast crystallization
- High dimensional stability
- Good electrical properties
- Oxygen and water vapor barrier
- Good flowability

Connecting and
branching
of polymer chains

New Ultradur® for extrusion

- Positive Ultradur® properties combined with high melt strength
- Enter new market segments with new Ultradur® family

Ultradur® B6551 LNI



Pipe extrusion

Ultradur® B6551 LNI



Mandrel extrusion

Ultradur® B6551 LNI



Profile extrusion

Ultradur® B6551 LNI



Film extrusion

Ultradur® B6560 M2 FC TF



Thermoforming

First PBT for extrusion and thermoforming

Ultradur® B6551 LNI

Perfect for extrusion

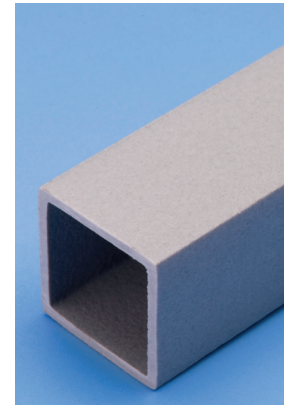
- High melt strength
- Unreinforced product
- Good mechanical properties
- Reinforcement possible
- Easy to color
- Foaming possible

Perfect for extrusion

- Film extrusion
- Pipe extrusion
- Mandrel extrusion
- Profile extrusion

Ultradur® B6551 LNI

	Norm	Values
Young's modulus	ISO 527-1/-2	2600 MPa
Nom. Tensile strain at break	ISO 527-1/-2	170 %
Charpy notched (23 °C)	ISO 179/1eA	6 kJ/m ²
Charpy notched (-30 °C)	ISO 179/1eA	4 kJ/m ²
Heat deflection temperature	ISO 75-1/-2	140 °C



Ultradur® B6560 M2 FC TF

Perfect for extrusion and thermoforming

- One material solution
- High melt strength and good extensibility
- Homogeneous stretching
- Thermoformable
- Broad processing window for crystalline plastics
- Easy to color
- Foaming possible

Ultradur® B6560 M2 FC TF

	Norm	Values
Young's modulus	ISO 527-1/-2	2000 MPa
Nom. Tensile strain at break	ISO 527-1/-2	33 %
Charpy notched (23 °C)	ISO 179/1eA	6,3 kJ/m ²
Charpy notched (-30 °C)	ISO 179/1eA	5,9 kJ/m ²
Heat deflection temperature	ISO 75-1/-2	150 °C



Perfect for extrusion and thermoforming

- Medicine cup manufactured in cooperation with Illig GmbH
- Industrial line Illig RDM 70K
- Preheater favorable
- Advanced imaging accuracy
- High number of cycles

