

Ultradur® B6550 LNX

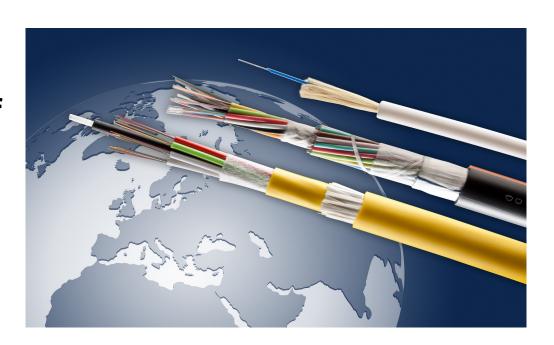
A New Solution for High Speed Extrusion of Microduct Buffer Tubes



New Product Showcase



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BASF Product Portfolio for Fiber Optic Cable Buffer Tubes

Ultradur B6550 L

Modified with a <u>lubricant</u> to provide excellent feeding behavior on all kind

Ultradur® B 6550 LN

- Modified with a <u>lubricant</u> and a <u>nucleating agent</u>.
- Excellent feeding behavior and faster speed of crystallization. Higher crystallinity will cause higher stiffness and a more opaque color of the tubes.

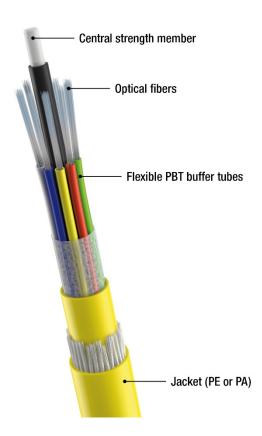
Ultradur® B 6550 LNX

- Specifically for thin FOC buffer tubes = microtubes ≤ 1.4 mm
- Working to develop FR grade (LNI)



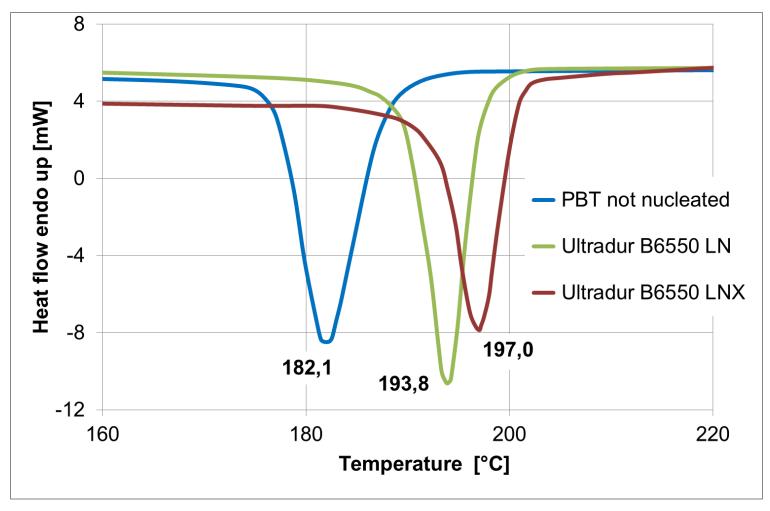
Ultradur® B 6550 LNX

- Specifically developed for FOC microtubes of ≤ 1.4 mm
- Improved mechanical properties at low thicknesses
- High molecular weight and high viscosity
- Excellent feeding behavior and processability with high melt stability
- Excellent chemical resistance
- Low coefficient of thermal expansion and
- Very low water absorption → Very good dimensional stability
- High stiffness and hardness



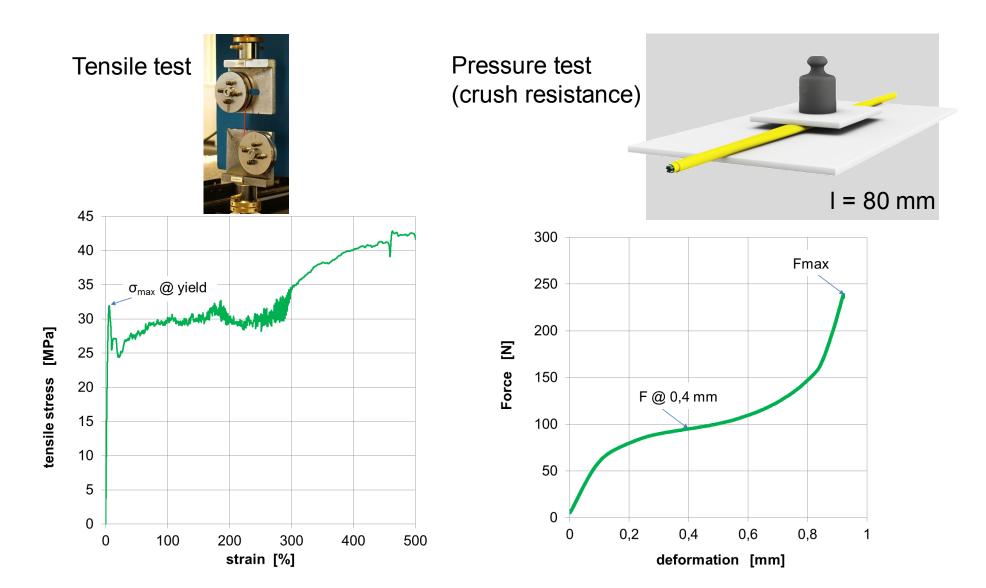


Ultrdaur B 6550 LNX Changed crystallization kinetics

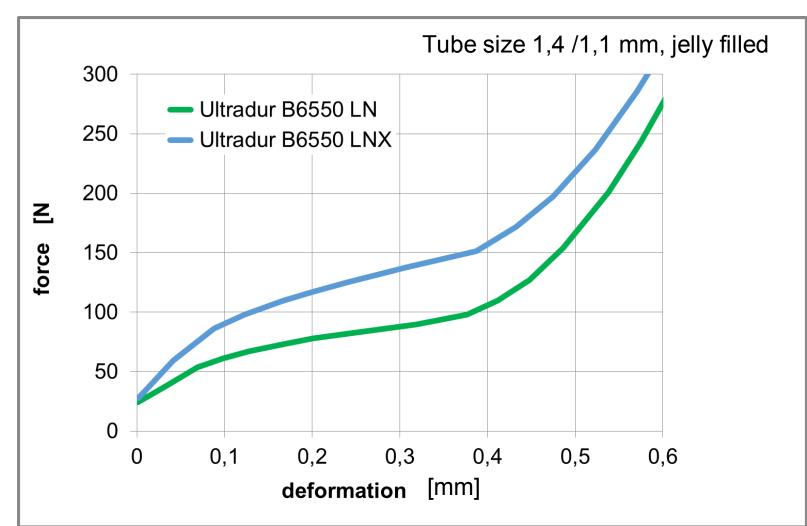




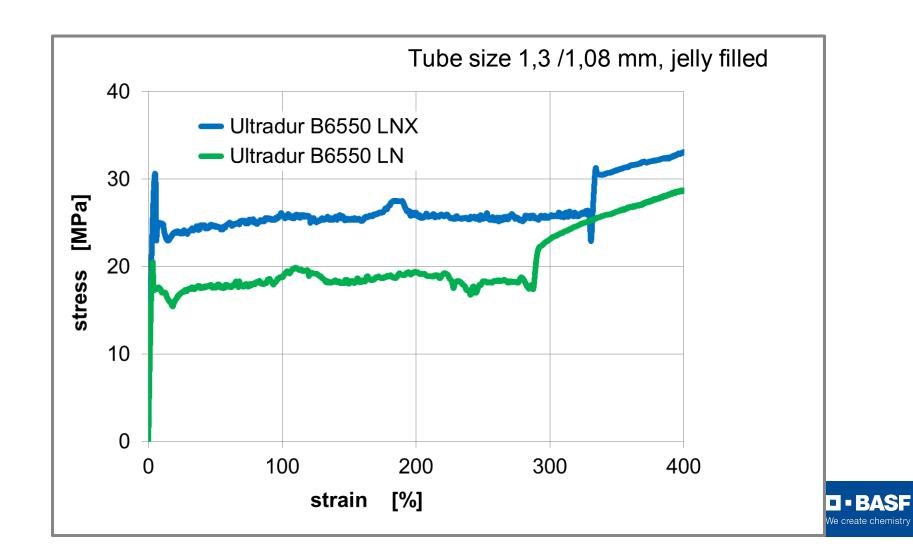
Ultradur B 6550 LNX Mechanical tests and related properties



Ultradur B 6550 LNX Pressure test



Ultradur B 6550 LNX Tensile test



Ultradur B 6550 LNX Results on microtubes 1,4 / 1,1 mm

Ultradur B 6550		LN	LNX
Tensile strength @ yield	[MPa]	25	31
Elongation @ break	[%]	>400	>400
Crush resistance	[N/dm]	115	165

Superior mechanical and processing performance proven by trials at

- Machine suppliers Maillefer and Rosendahl Nextrom
- Some European customers



Ultrdaur B 6550 LNX

Screen packs





6-layer screen pack: 400/ 900/ 3600/ 3600/ 900/ 400 (figure means: number of meshes per cm²) translation in mesh size is: 315/200/100/100/200/315 (dimension in micron)

Screen packs



Breaker plate with screens



Suppliers of screen packs: http://www.rolfkoerner.de/ http://www.haverboecker.com/



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The values contained herein are based on analysis/testing of laboratory test specimens and represent data that fall within the normal range of properties for natural materials, unless stated otherwise. Colorants and additives may alter properties.

This information is provided as a service for comparative purposes only and in no way constitutes any product specification or the like. For component design the data contained herein are applicable as guideline only.





We create chemistry