

Ultradur® B1520 FC

New easy flowing PBT
(Polybutylenterephthalate)



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Ultradur® B1520 FC for applications with food contact

Ultradur B1520 FC is a specially developed high flowability PBT for packaging applications. Besides the well-known advantages of Ultradur® – stiffness, strength, thermal stability and chemical resistance – the easy-flowing Ultradur variant offers more:

- Higher heat stability, allowing sterilization, hot filling, microwaving, also dishwasher safe
- Stiff and stable thin walled injection-molded packaging
- Single layer solutions with high barrier properties which allow free choice of shape (by injection molding)
- No need for 100% complete labeling to provide a barrier as well as easy quality control
- Easy processing of Ultradur® enables usage on standard filling lines

The food contact certification makes this new grade suitable for thin-walled (injection-molded) packaging for cosmetics and food products.

The new Ultradur® B1520 FC is already used in two series productions – Coffee capsules offered by Equity Holding S.A. and employed by the French coffee roastery Café Méo as well as PBT tubs that are produced by Greiner Packaging and filled with delicious sauces of the company Gautschi.

Good taste is made of Ultradur®

Ultradur® B1520 FC is the product of choice when it comes to single layer aroma sealed packaging. The well balanced barrier properties against moisture and oxygen make a secondary pack-



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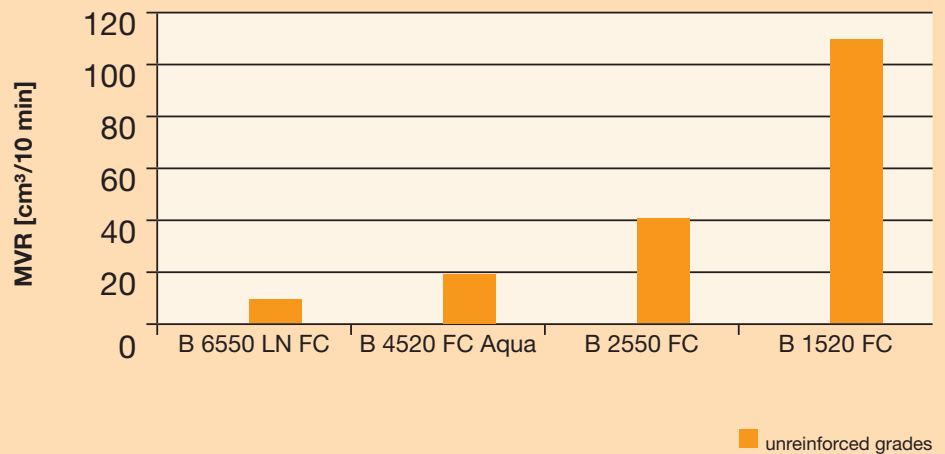
aging redundant. Thus, the new capsules have great advantages compared to other injection-molded or multilayered thermoformed capsules. And on top – due to the high stiffness of Ultradur® the capsules can be very thin which is a prerequisite for economic and ecological production.

Ultradur® keeps food longer fresh

After using another material, the delicatessen manufacturer Gautschi switched to PBT tubs made of Ultradur® B1520 FC. In this new PBT variant, products stay fresh considerably longer, as Gautschi confirms. The excellent barrier properties of this new PBT material against moisture and oxygen also efficiently help to retain the aroma.

MVR values of different unreinforced Ultradur B grades

Conditions for measuring: 250 °C; 2,16 kg



Ultradur® B1520 FC at a glance:

- Easy flowing PBT grade
- Food contact approved
- Excellent barrier properties
 - OTR: 24 cm³ 100 µm / (m² d bar)
 - WVTR: 2,5 g 100 µm / (m² d 85% r.H.)
 - MVR: 110 cm³/10 min
- High rigidity and strength
- Chemical resistance
- High stiffness suitable for thin-walled parts
- Outstanding dimensional stability under heat (up to 200°C)

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.