

PRESS RELEASE

NYLAFORCE® A 60 TW2 SCHWARZ



NYLAFORCE® A 60 TW2 SCHWARZ - for applications in the drinking water sector

With the **NYLAFORCE® A 60 TW2 SCHWARZ** feed up-polymer *LEIS Polytechnik polymere Werkstoffe GmbH* is for the first time introducing a material with 60% glass fibre reinforcement for use in the drinking water sector.

NYLAFORCE® A 60 TW2 SCHWARZ having been granted ACS approval in France for contact with drinking water back in December 2007, KTW (plastics/drinking water) approval in Germany followed in March 2009. Besides positive listing of the components of the composition, TZW (Water Technology Centre) Karlsruhe also certified that, from a microbiological point of view, the new material also meets the requirements of DVGW (German Association of the Gas and Water Sector) Worksheet W 270.

This high-performance material is impressive with its outstanding strength properties of 235 MPa with an impact strength of over 70 kJ/m². The combination of these properties predestines **NYLAFORCE® A 60 TW2 SCHWARZ** as a structural material for technical functional parts. In particular its outstanding mechanical properties prove themselves useful with parts subjected to pressure such as in water meters.

NYLAFORCE® A 60 TW2 SCHWARZ has already shown its suitability for this purpose in various endurance tests. *LEIS Polytechnik* sees other areas of use in the field of valves, filters and pumps. This provides the designer with a technical alternative to metal materials such as brass. Its thermoplastic workability and its low price per volume also provide clear economic advantages over metals and metal alloys (photo: caps for water meters made of **NYLAFORCE® A 60 TW2 SCHWARZ**).

LEIS Polytechnik polymere Werkstoffe GmbH (www.leis-polytechnik.de) is a specialist for developing and producing high-performance plastics. The company has exclusive know-how in the sectors metal substitution (product line **NYLAFORCE®**) and tribologically optimized plastics (product line **TRIBOCOMP®**).