

Press information NYLAFORCE® A 60 TW2



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

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

NYLAFORCE® A 60 TW2 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** 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 has already shown its suitability for this purpose in various endurance tests. *LEIS Polytechnik* and *EPIC Polymers* see 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.

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 (produkt line **NYLAFORCE®**) and tribologically optimized plastics (product line **TRIBOCOMP®**).

EPIC Polymers Ltd. (www.epicpolymers.com) is a leading supplier of high-strength and tribologically modified plastics.