

PRESS RELEASE

NYLAFORCE[®]
dynamic



New series of products for components subject to heavy dynamic loads

With **NYLAFORCE**[®] **dynamic** LEIS Polytechnik polymere Werkstoffe GmbH is introducing the second generation of feed up-polyamides. The new series of products stands out thanks to its excellent mechanical properties. In addition to a significant improvement in strength, it has been possible to increase the toughness of the materials enormously.

So for instance the **NYLAFORCE**[®] **dyn B 50** type achieves tensile strength of 270 MPa with elongation at breaking point of over 3%. Charpy impact resistance is of the order of an incredible 116 kJ/m², a level that has not even been approached to date by polyamides with 50% glass fibre reinforcement. These figures are even more impressive if one bears in mind that these values were obtained on dry as moulded and black-dyed test parts. The new high-performance materials are especially suitable for functional parts subject to heavy loads with dynamic stress. They are also genuine alternatives to metals such as alloys of zinc and brass.

The product range initially consists of **NYLAFORCE**[®] **dyn B 50 SCHWARZ**. By the end of 2009, all the other **NYLAFORCE**[®] materials will be available as **NYLAFORCE**[®] **dynamic**.

With **NYLAFORCE**[®] **dynamic**, LEIS Polytechnik is further expanding its technological lead in heavily reinforced polyamides.

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**[®]).