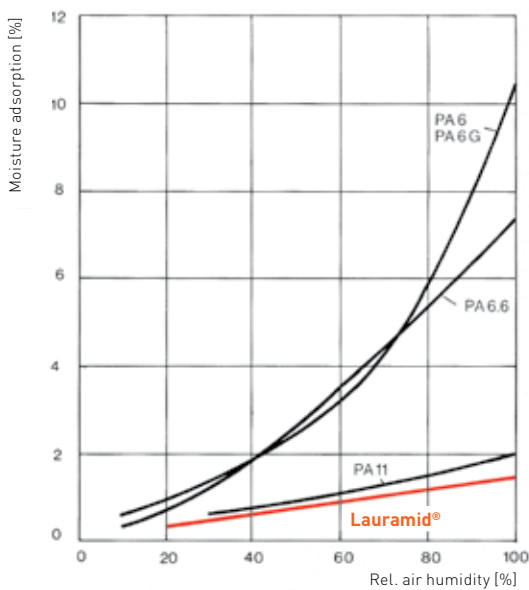


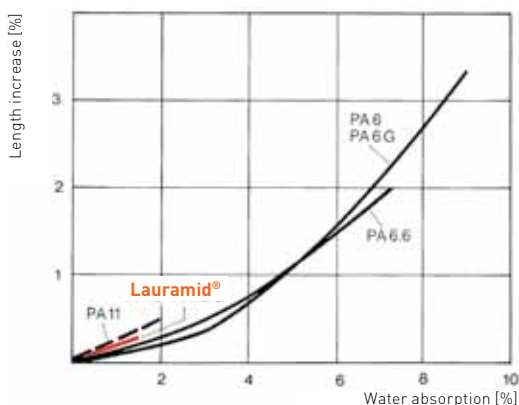
LAURAMID® PA 12C CASTING

Physical characteristics of different polyamides and Lauramid® in comparison

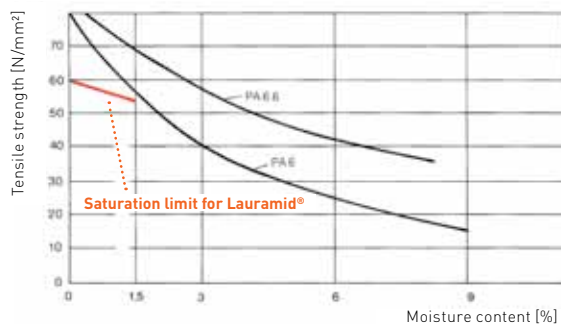
Equilibrium moisture content of different polyamides and Lauramid® as a function of the relative air humidity in case of water retention



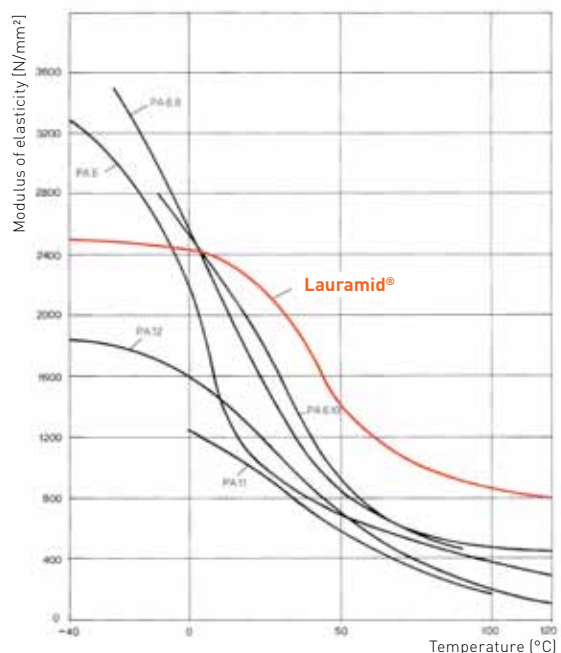
Percentual length increase of different polyamides and Lauramid® dependent on the percental water absorption (water at room temperature)



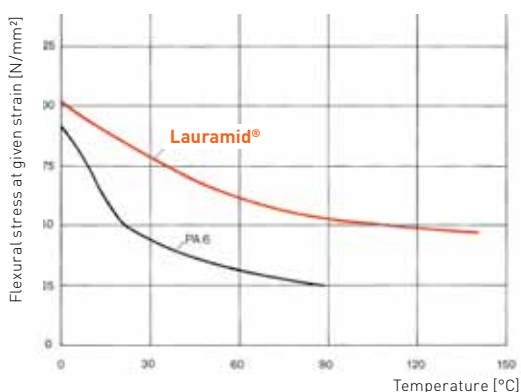
Tensile strength of different polyamides and Lauramid® as a function of the moisture content at 20 °C



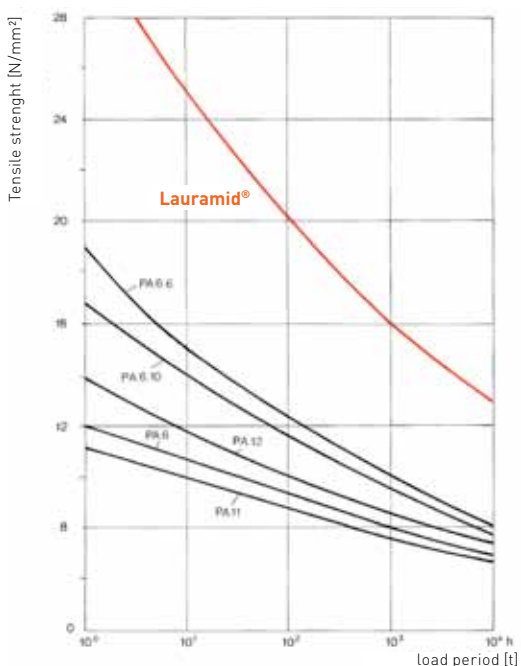
Temperature dependence of the modulus of elasticity of air-humid polyamides and Lauramid®



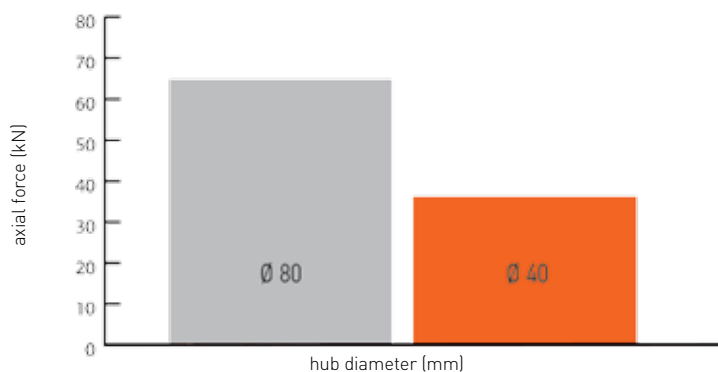
Temperature dependence of the flexural stress at given strain of air-humid PA 6 and Lauramid®



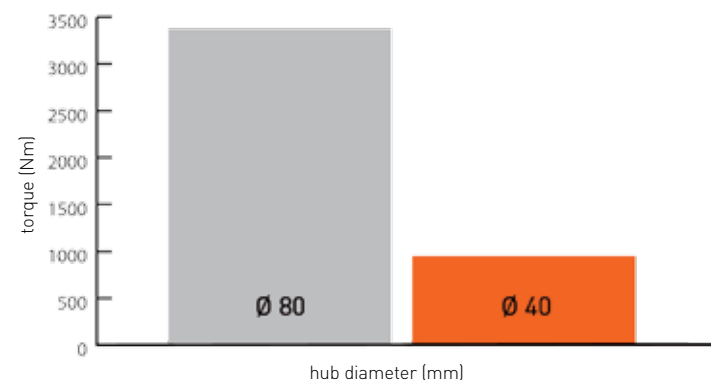
2 % creep limit of polyamides and Lauramid®
 23 °C / 50 % relative humidity



Experimental determination of the forces required to extrude a cast-in milled hub (DIN 82 RGE, hub length 20 mm, temperature 20 °C) from Lauramid®



Experimental determination of the torque required to turn a cast-in milled hub (DIN 82 RGE, hub length 20 mm, temperature 20 °C) in Lauramid®



Diagrams based on Vieweg/Müller: "Polyamides" Manual, Carl Hanser Verlag, Munich; Hüls Publikation "Kriechverhalten von PA 12" (Creep behaviour of PA12), Special publication 5034 from the "Plastics" magazine.