



Properties of the resins

- can be processed as classic thermoplasts
- biodegradable
- waterproof
- only small tendency to creep
- behaves similar to LPC's in the melt, for this:
 - finest surfaces
 - thin walls
 - microparts
- free from even traces of catalysts!
- highly crystalline (60 to 70%), for this:
 - excellent resistance to solvents
- temperature of use: -30 to 120°C
- shrinkage: 1,3 %

Mechanical properties*)

Typ	P209	P226
Modulus (MPa)	900-1200	1700-2000
Tensile strength (MPa)	15-20	24-27
Elongation (%)	11-18	6-9
Flexural strength (N/mm ²)	18	35
Deformation at bending break (%)	4,7	6,6
Flexural strength at 3,5% (N/mm ²)	16	29
Impact strength 23°C (KJ/m ²)	nb	nb
Impact strength -30°C (KJ/m ²)	70	30
Notched impact strength 23°C (KJ/m ²)	4,7	2,7
Notched impact strength -30°C (KJ/m ²)	3,4	1,4
MFR 180°C	10 (2,16 kg)	10 (5 kg)
MVR 180°C	10 (2,16 kg)	9,5 (5 kg)
Vicat-Temperature (°C)	134	147
Density (g/cm ³)	1,20	1,25
Moisture absorption (%)	0,75	0,4
Hardness (Shore D)	57	67
Shrinkage	1,3	1,3

*) means of tests done at least 4 weeks after preparing test specimens.