





CLAMP BODIES				
MATERIAL	PP	PA	AL	SA
Other materials (according to DIN 5510, UL 94, NF F 16/101 for example) are available on request.	POLYPROPYLENE Copolymeric	POLYAMIDE *1	ALUMINIUM AlSi12	THERMOPLASTIC ELASTOMER
COLOR	 GREEN	 BLACK	 NATURAL	 BLACK
MECHANICAL PROPERTIES				
Tensile E-Module	1073 N/mm ² (ISO 527)	> 1400 N/mm ² (ISO 527)	> 65000 N/mm ²	0,96 g/cm ²
Notch Impact Strength	7,5 kJ/mm ² at 23°C (nach Charpy / ISO 179/1eA)	> 15 kJ/m ² at 23°C (acc. to Charpy / ISO 179/1eA)	---	---
Low Temperature Notch Impact Strength	3,1 kJ/mm ² at -30°C (nach Charpy / ISO 179/1eA)	> 3 kJ/m ² at -30°C (acc. to Charpy / ISO 179/1eA)	---	---
Tensile Strength at Yield (Tensile Strength)	25 N/mm ² (ISO 527)	> 55 N/mm ² (ISO 527)	> 150 N/mm ² (DIN EN 10002)	7,1 N/mm ² (ISO 37)
Ball Indentation Hardness (Brinell Hardness)	45,4 N/mm ² (ISO 2039-1)	> 65 N/mm ² (ISO 2039-1)	> 55 HBS	---
Shore Hardness	---	---	---	87A (ISO 868)
THERMAL PROPERTIES				
Max Temperature (Brief Exposure)	-20° to + 215°F -30° to + 102°C	-40° to + 356°F -40° to + 180°C	-40° to + 752°F *2 -40° to + 400°C	-40° to + 425°F -40° to + 210°C
Operating Temperature (Continuous Exposure)	-22° to + 194°F -30° to + 90°C	-40° to + 284°F -40° to + 140°C	-40° to + 500°F *2 -40° to + 260°C	-40° to + 248°F -40° to + 120°C
CHEMICAL PROPERTIES				
Weak Acids, Solvents	conditionally consistent	conditionally consistent	conditionally consistent	consistent
Benzine, Mineral Oils	conditionally consistent	consistent	consistent	conditionally consistent
Alcohol, Other Oils, Seawater	consistent	consistent	consistent	consistent
NOTES				
*1 The stated information has been defined for conditions according to ISO 1110.				
*2 Tensile strengths, fatigue strength (under reversed bending stress) and impact bending toughness rise constantly at decreasing temperature level, the breaking elongation normally decreases at a decreasing temperature level.				
The above stated information is shown without any obligation and does not release you from own test arrangements. Tightening Torques and Maximum Loads need to be considered (see page C54).				
METAL PARTS				
Unless otherwise stated, all metal parts are made of carbon steel St37, surface finishing according to order code.				
Surface Finishings In addition to the standard surface finishings stated several alternative finishings are also available on request.				
Stainless Steel Metal Parts All metal parts are also available ex stock in two different stainless steel qualities: Stainless Steel (W4) A2 - 1.4301/1.4305 (AISI 304) Stainless Steel (W5) A4 - 1.4401/1.4571 (AISI 316/316Ti)				
Threads All threaded parts are available with UNC and metric threads (see thread-chart on page C53).				