





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 AISI12	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				
<p>*1 The stated information has been defined for conditions according to ISO 1110.</p> <p>*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.</p> <p>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 C62).</p>				
METAL PARTS				
<p>Unless otherwise stated, all metal parts are made of carbon steel St37, surface finish according to order code.</p> <p>Surface Finish In addition to the standard surface finishes stated several alternative finishes are also available on request. The W3 surface finish is Chromium (IV) free, and is ROHS compliant.</p> <p>Stainless Steel Metal Parts All metal parts are also available from stock in two different stainless steel qualities: Stainless Steel (W4) A2 - 1.4301/1.4305 (AISI 304/303) Stainless Steel (W5) A4 - 1.4401/1.4571 (AISI 316/316Ti)</p> <p>Threads All threaded parts are available with UNC and metric threads (see thread-chart on page C61).</p>				