

**Machinable Polyurethane 42D2**  
**Compound No. 507**

<b>Property</b>	<b>Test Conditions</b>	<b>Unit</b>	<b>Value</b>
<b>Mechanical</b> (23°C/50% r.h unless otherwise noted)			
Shore Hardness, Method A	ISO 868 annealed	-	92
Shore Hardness, Method D	ISO 868 annealed	-	42
Ultimate Tensile Strength	ISO 527-1,-3 annealed	MPa	45
Elongation at break	ISO 527-1,-3 annealed	%	500
Stress at 100% strain	ISO527-1,-3 annealed	MPa	8
Stress at 300% strain	ISO 527-1,-3 annealed	MPa	15
Abrasion resistance	ISO 4649 annealed	mm <sup>3</sup>	20
Compression set (24 h, 70°C)	ISO 815 annealed	%	40
Compression set (70 h, 22°C)	ISO 815 annealed	%	20
Impact resilience	ISO 4662 annealed	%	32
Tear Propagation resistance	ISO 34-1 annealed	kN/m	85
<b>Other properties (23°C)</b>			
Density	ISO 1183	Kg/m <sup>3</sup>	1150

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The information in this data sheet corresponds to our knowledge on the subject at the date of this publication. This information is subject to revision as new data becomes available. The data should not be used to establish specification limits or used alone as the basis of design. Since Rodgard cannot anticipate all variations in actual end-use conditions, Rodgard makes no warranties and assumes no liability in connection with any use of this information.