

Machinable Polyurethane 47D
Compound No. 505

| Property | Test Conditions | Unit | Value |
|--|------------------------|-------------------|--------------|
| Mechanical (23°C/50% r.h unless otherwise noted) | | | |
| Shore Hardness, Method A | ISO 868 annealed | - | 95 |
| Shore Hardness, Method D | ISO 868 annealed | - | 47 |
| Ultimate Tensile Strength | ISO 527-1,-3 annealed | MPa | 52 |
| Elongation at break | ISO 527-1,-3 annealed | % | 450 |
| Stress at 100% strain | ISO 527-1,-3 annealed | MPa | 15 |
| Stress at 300% strain | ISO 527-1,-3 annealed | MPa | 30 |
| Abrasion resistance | ISO 4649 annealed | mm ³ | 30 |
| Compression set (24 h, 70°C) | ISO 815 annealed | % | 42 |
| Compression set (70 h, 22°C) | ISO 815 annealed | % | 25 |
| Impact resilience | ISO 4662 annealed | % | 35 |
| Tear Propagation resistance | ISO 34-1 annealed | kN/m | 100 |
| Other properties (23°C) | | | |
| Density | ISO 1183 | Kg/m ³ | 1210 |

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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.