



**TSE Industries, Inc.**  
**Millathane® Millable Polyurethane Division**  
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## Tank Track Wheel / Pad Application

Suggested starting formulation

Millathane® 5004	100
Stearic Acid	0.5
N234 Black	45
Dicumyl Peroxide, 40%	6
Total	151.5

Note: A small amount of process aid (1 phr) such as Vanfre AP-2 (R.T. Vanderbilt) or Struktol WB222 (Struktol) may also be added to prevent mill sticking.

### Physical Properties, Press Cure 20'/160° C

Hardness, Shore A	84
100% Modulus, psi (MPa)	700 (4.8)
Tensile Strength, psi (MPa)	3560 (24.5)
Elongation, %	420

### Compression Tests

5% Modulus, psi (MPa)	110 (0.8)
10% Modulus, psi (MPa)	210 (1.5)
25% Modulus, psi (MPa)	570 (3.9)

**Compressive strength, psi (MPa)** 590 (4.1)

### BFG Heat Buildup

150 psi (1.03 MPa) load, 0.175" (4.4 mm) stroke  
Temperature rise 37°F (20°C)  
% Set 1.7

400 psi (2.76 MPa) load, 0.100" (2.5 mm) stroke  
Temperature rise 60°F (33°C)  
% Set 7.1

***This compound has excellent physical and dynamic properties.***

Ref: V6303

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