TSE INDUSTRIES, INC.
5180 113th Avenue North, Clearwater, Florida 33760 USA
tse-industries.com
(800) 237-7634 | (727) 573-7676

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'/160º 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	37ºF (20ºC)
% Set	1.7

400 psi (2.76 MPa) load, 0.100" (2.5 mm) stroke

Temperature rise	60ºF (33ºC)
% Set	7.1

This compound has excellent physical and dynamic properties.

Ref: V6303