

Nitrile ACN Comparison

TEST REPORT

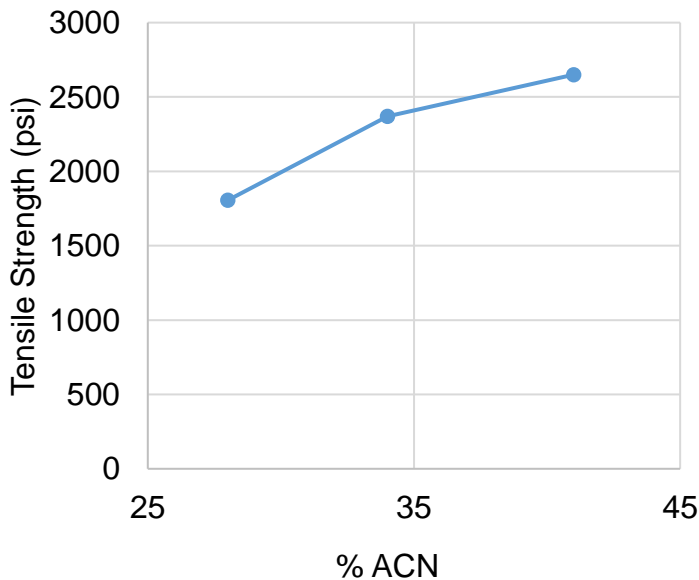
Reference R&D Project #: R17-108

Constant Formula: KNB Nitrile,100.00; DOP, 30.00; N550, 60; St.Ac, 1.00; ZnO, 5.00; Spider Sulfur, 1.50; TMTM, 0.75

Compare results to ASTM D2000 M5BG 614 A14 B34 F17 Material Specifications

	BG Spec.	25 LM	35 LM	40 M
% ACN		28	34	41
Durometer	60+/-5	63	63	65
Tensile Str. (psi)	2031	1805	2370	2650
Elongation (%)	300	361	469	472
Tear Die C		208	218	213
B34-Compression Set (22h @ 212°F)	25%	17%	19%	16%
F17- Low Temperature Brittleness Passing Temperature (°C)	-40°C	-40°C	-35°C	-25°C
A14- Heat Aging (70h @ 212°F)				
Change in Durometer (pts)	+/-5	0	0	0
% Change in Tensile	-20%	15.3%	3.6%	5.8%
% Change in Elongation	-40%	-9.6%	-32.5%	-33.6%

Tensile Strength vs. %ACN



Low Temperature Brittleness vs. %ACN

