



Elastomer Reference Guide

| | Min/Max temp operating range | Tensile Strength | Tear Resistance | Abrasion Resistance | Ozone Resistance | Weather | Grease/Oil Resistance | Fuel Resistance | Solvent Resistance |
|--------------------------|---------------------------------|---------------------|--------------------|------------------------|---------------------|-----------|--------------------------|--------------------|-----------------------|
| Nitrile (Buna-N) | -30F / 250F | Good-Fair | Good | Good | Poor | Good | Excellent | Excellent | Excellent |
| EPDM | -40F / 300F | Good-Fair | Good-Fair | Good | Excellent | Excellent | Poor | Poor | Poor |
| Fluorocarbons (Viton) | -10F / 400F | Fair | Good | Good | Excellent | Excellent | Excellent | Excellent | Good |
| Fluorosilicone | -60F / 350F | Fair | Poor | Poor | Excellent | Excellent | Good | Good | Good |
| Neoprene | -30F / 212F | Good-Fair | Good | Fair | Good | Excellent | Good | Fair | Poor |
| Butyl | -60F / 250F | Good | Good | Good | Excellent | Excellent | Poor | Poor | Poor |
| Silicone | -80F / 420F | Poor | Poor | Poor | Excellent | Excellent | Poor | Poor | Poor |
| SBR | -20F / 212F | Good-Fair | Good | Excellent | Fair | Fair | Poor | Poor | Poor |
| Hydrin | -60F / 275F | Fair | Good | Good-Fair | Excellent | Good | Excellent | Excellent | Excellent |
| Hypalon | -40F / 320F | Good | Good | Good | Excellent | Excellent | Good | Fair | Good |

Selecting the right elastomer is vital to the success of your product. At TMI we can process an extremely wide variety of rubber materials. More importantly, we know when each one is right for the job. Years of research, testing, design engineering and real-world applications have given us an incredible depth of knowledge about how polymers behave when put through different molding processes and how they'll work under just about any condition in any application.