

## Tip 21: ARPM Oil Resistance

Did you know that ARPM Class A rubber compounds are **NOT** all created equal?

- ❖ Oil resistance is measured in % change of cured rubber properties after exposure to oil: tensile strength retained and volume swell.
- ❖ No benchmark or starting point for tensile values or volume.
- ❖ Different compounds offer varying compatibility with different aromatic content. More refined fuels = higher aromatic content.
- ❖ NBR (Nitrile) polymers offer the best Oil Resistance and each Continental compound is specially formulated for the application.
- ❖ No compound is oil proof – it is only Oil Resistant.

**Class A**

**NBR**

- Volume: +25
- Tensile: 80%

**Class B**

**Neoprene, CPE,  
some SBR**

- Volume: +65
- Tensile: 50%

**Class C**

**EPDM**

- Volume: +100
- Tensile: 40%