

**Thermo Plastic Rubber (TPR)** is a family of high performance elastomers which successfully combine performance characteristics of vulcanised rubber with the processing ease of thermoplastics. It consists of highly crosslinked rubber particles dispersed throughout a continuous matrix of thermoplastic material. Has high temperature resistance equivalent to EPDM rubber compounds, while fluid resistance is equivalent to polychloroprene rubber. TPR has excellent ozone and weather resistance properties. It also has low compression and tension set along with good tear strength.

**Limitations:** Low heat resistance properties, flammable, does not resist acids and alkalis.

**Temperature Resistance:** -40° to 135°C (-40° to 275°F)

**Typical Uses:** O-Rings, Gaskets, Boots, Bellows, Door/Window seals, weather stripping, printing rolls, dust covers, grommets, flexible cords, plumbing seals, caster wheels, tool grips.

**Physical Properties:**

	Excellent	Good	Fair	Poor
Tensile strength		•		
Elongation		•		
Low temperature flexibility			•	
Compression Set			•	
Tear resistance		•		
Abrasion resistance			•	
Flame resistance				•
Gas permeability			•	

**Chemical Resistance:**

	Excellent	Good	Fair	Poor
Ozone	•			
Weather	•			
Sulfur containing oils			•	
Aliphatic solvents			•	
Dilute acids				•
Dilute alkalis				•
Water		•		
Steam				•