

# Typical Properties of R1510

Polymer	Polyurethane		
Physical Property	Test Method	Result (US Units)	Result (Metric Units)
Density	ASTM D3574	12 – 18 pcf	192.2 – 288.3 kg/m <sup>3</sup>
Compression Deflection 25%	ASTM D1056	7.5 – 12.5 psi	51.7 – 86.2 kPa
Compression Set 50%	ASTM D1056	3% Max	3% Max
Compression Set 50%	ASTM D3574	10% Max	10% Max
25% CFD	ASTM D3574	9 psi	62 kPa
Tensile Strength	ASTM D3574	57 psi	393 kPa
Elongation	ASTM D3574	140%	140%
Tear Strength	ASTM D624	9 lb./in	1.57 kN/m
Resilience	ASTM D2632	50 %	
Flammability	FMVSS-302	Pass (minimum thickness TBD)	
Service Temperature	-40 to 250 F		

## Product Availability

- Standard 60 inch (1.52 meter) wide rolls with capabilities to produce in various widths.
- Available in 50 feet (15.24 meters) and 100 feet (30.48 meters) lengths, skived to custom thicknesses.
- Available with adhesives, laminated fabrics, films, custom coatings or composites.
- Various color options available with the ability to custom color match using our fully reacted colorants.
- Other additives, such as anti-microbial and flame retardants, are available depending on sales opportunities and volume.

## Characteristics

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| <ul style="list-style-type: none"> <li>• Breathable</li> <li>• Superb Compression Fatigue Properties</li> <li>• Excellent Stress Relaxation Resistance</li> <li>• Low Compression Set</li> </ul> | <ul style="list-style-type: none"> <li>• Low Hysteresis Loss</li> <li>• Dimensionally Stable</li> </ul> |
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*Disclaimer: This information is furnished as a guide for selecting materials. Rubberlite Inc. makes no warranties, expressed or implied, of merchantability with respect to the goods or that such goods are fit for any particular purpose. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.*

