

# Rulon® 1410

The following table is a list of typical physical property values for Rulon® 1410

Properties	ASTM	Units [Metric]	Value [Metric]
<b>GENERAL</b>			
Specific Gravity	D792	—	2.20
Hardness Rockwell D	D785	—	59
<b>MECHANICAL</b>			
Tensile Strength	D4894	psi [MPa]	2,150 [14.8]
Elongation	D4894	%	210
Flexural Strength	D790	psi [MPa]	1,000 [6.9]
Compressive Strength (0.2% offset)	D695	psi [MPa]	1,200 [8.3]
<b>THERMAL</b>			
<b>Coefficient of Thermal Expansion</b>	<b>D696</b>	<b>in/in/°F x 10<sup>-5</sup> [m/m/°C]</b>	
78 – 200 °F [26 – 93 °C]		7.1 [12.7]	
78 – 300 °F [26 – 149 °C]		7.0 [12.6]	
78 – 400 °F [26 – 204 °C]		7.5 [13.5]	
78 – 500 °F [26 – 260 °C]		8.6 [15.4]	
Flammability	D635	In/min [m/s]	Non-flammable
<b>RECOMMENDED OPERATING LIMITS</b>			
Maximum Pressure (P)	—	psi [MPa]	750 [5.2]
Maximum Velocity (V) with no pressure	—	ft/min [m/s]	400 [2]
Maximum PV (P x V)	—	psi x ft/min [MPa x m/s]	7,500 [0.26]
<b>Minimum Mating Surface Hardness</b>			
Rockwell Scale	—	—	Rb25
<b>Tribological</b>			
Friction – static & dynamic	—	—	0.10 – 0.20

**NOTE:** The data listed here falls within the normal range of properties but should not be used to establish specification limits nor used alone as the basis of design. Saint-Gobain Performance Plastics assumes no obligation or liability for any advice furnished by it or for results obtained with respect to the products.

## Features / Benefits

- Suitable for flip seal and other flexible sealing applications
- Increased sealing efficiency
- Resistant to most harsh chemicals

## Working Temperature Range

- - 400 °F to + 550 °F  
[- 240 °C to + 288 °C]

## Color

- Gold

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