

**Fluor Rubber**  
**Mechanical, Physical and Thermal Properties**

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properties	condition	standard	unit		unit	
<b>colour</b>				<b>black</b>		<b>black</b>
<b>hardness</b>	<b>23°C</b>	ISO 868	Shore A	<b>85 ± 5</b>	Shore A	<b>85 ± 5</b>
<b>modulus 100%</b>	<b>23°C</b>	DIN 53 504	MPa	<b>≥ 7</b>	psi	<b>≥ 1015</b>
<b>tensile strength</b>	<b>23°C</b>	DIN 53 504	MPa	<b>≥ 9</b>	psi	<b>≥ 1305</b>
<b>elongation at break</b>	<b>23°C</b>	DIN 53 504	%	<b>≥ 140</b>	%	<b>≥ 140</b>
<b>tear strength</b>	<b>23°C</b>	DIN ISO 34-1	kN/m	<b>≥ 7</b>	lbf/inch	<b>≥ 39</b>
<b>spec. gravity</b>	<b>23°C</b>	ISO 1183	kg/m <sup>3</sup>	<b>1870</b>	g/cm <sup>3</sup>	<b>1,87</b>
<b>rebound elasticity</b>	<b>23°C</b>	DIN 53 512	%	<b>9</b>	%	<b>9</b>
<b>abrasion</b>	<b>23°C</b>	DIN 53 516	mm <sup>3</sup>		mm <sup>3</sup>	
<b>compression set</b>	*	ISO 815	%	<b>≤13</b>	%	<b>≤13</b>
<b>compression set</b>	**	ISO 815	%	<b>≤</b>	%	<b>≤</b>
<b>compression set</b>	***	ISO 815	%	<b>≤</b>	%	<b>≤</b>
<b>minimum service temperature</b>			°C	<b>-20</b>	°F	<b>-4</b>
<b>maximum service temperature</b>			°C	<b>210</b>	°F	<b>410</b>
<b>temp. max water/steam</b>			°C		°F	
<b>temp. max hot air</b>			°C	<b>280 short</b>	°F	<b>536 short</b>

\* 24h 70°C 25% def.

\*\* 24h 100°C 25% def.

\*\*\* 24h 175°C 25% def.

**Chemical Properties**

Copolymer, based on fluoro

*Resistant to: fats, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons*

*Not resistant to: glycols, ketones, most fluids containing amines, water/steam*