

**GENERAL**

Duralast 4203 is a newly developed high performance polyurethane elastomer composed of prepolymers based on polyoxytetramethylene glycol (POTMG) and diphenylmethane diisocyanate (MDI) processed liquid with triols, catalysts and several chain extenders. Producing a hardness of 95 +/-2 Shore A. Duralast 4203 was developed by leading polyurethane manufacturers to meet and exceed the current sealing materials available. Especially resistant to abrasion, hydrolysis and micro-organisms. Furthermore it has an outstanding Elongation at Break of more than 550% and a Tear strength of 130N/mm which exceeds competitor materials 30% to 85%. Test results also confirmed better high and low temperature performance than competitors material. These outstanding engineering properties makes Duralast 4203 the top performer in the industry. It is recommended for use in water hydraulics, mining, industrial hydraulics, mineral oil-based fluids and biodegradable hydraulic fluids.

Most common products are lip seals, compact rod and piston seals, wipers, chevron packings and special seals.

**PHYSICAL PROPERTIES**

Hardness at 20°C:	DIN 53505	Shore A	95 +/-2
Specific gravity:	DIN 53479	g/ccm	1.06
Tensile strength:	DIN 53504	N/mm <sup>2</sup>	45
Elongation at break:	DIN 53504	%	560
100% Modulus:	DIN 53504	N/mm <sup>2</sup>	12.5
300% Modulus:	DIN 53504	N/mm <sup>2</sup>	20
Compression set*:	DIN 53517	%	29
Tear strength	DIN 53515	KN/m	130
Abrasion	DIN 53516	mm <sup>3</sup>	38
Resilience:	DIN 53512	%	49
Hardness at -5°C:	DIN 53505	Shore A	95
Tear strength with nick:	DIN 53515	KN/m	88
Hardness at +80°C	DIN 53505	Shore A	93
Minimum service Temp.		deg F	-22
Maximum service Temp.		deg F	230

**\*The compression set is made with 25% deflection 22 hours at 70°C**

The mentioned data are only valid for test pieces of corresponding ISO,DIN and ASTM standards and cannot be directly related to gaskets and seals.