



EUROGOMMA

Relative abrasion resistance

Material	Resistance coefficient	0.5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Diamond	100 %	[Grey bar from 0.5 to 100]																				
Boron Nitride	80 %	[Grey bar from 0.5 to 80]																				
Ceramic A12 03	60 %	[Grey bar from 0.5 to 60]																				
Ceramic	52 %	[Grey bar from 0.5 to 52]																				
Silicon Carbide	45 %	[Grey bar from 0.5 to 45]																				
Tungsten	30 %	[Grey bar from 0.5 to 30]																				
Polyurethane	30 %	[Yellow bar from 0.5 to 30]																				
UHMW	10 %	[Grey bar from 0.5 to 10]																				
Gum Rubber	7.5 %	[Grey bar from 0.5 to 7.5]																				
Ni Hard Plate	6 %	[Grey bar from 0.5 to 6]																				
T1 Steel Plate	5 %	[Grey bar from 0.5 to 5]																				
C Steel Plate	3 %	[Grey bar from 0.5 to 3]																				
Aluminium	1 %	[Grey bar from 0.5 to 1]																				

Some comments about how to consider the relative abrasion resistance table

This table indicates only the abrasion resistance values of the mentioned materials. It must be considered that wear is the result of different factors acting together:

- Abrasion
- Impact force
- Corrosion

Therefore it is important to recognise that **EUROGOMMA** supplies a polyurethane Elastomer owning extraordinary wear resistance characteristics.

In fact our polyurethane offers the following performances:

- Excellent abrasion resistance – 30% in comparison with Diamond (the hardest material on the Earth)
- Elevated impact absorption (extraordinary when applying our *Superelastic* polyurethane)
- Elevated chemical resistance