

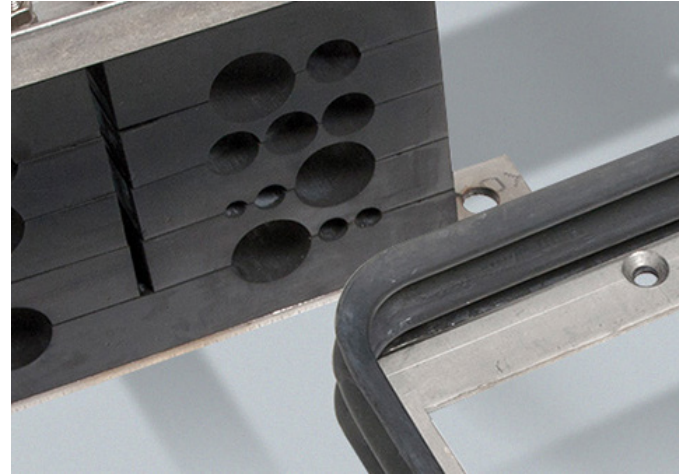
Datasheet - Elastomer Applications

Anti-Abrasion and Flooring



Special Applications of Elastomers

End-products are available as rolls, sheets or custom-made cutted parts. To obtain the technical data sheet for any of the products below [contact us](#).



Rubber Flooring and Matting

Applications ^{1,2}	Elastomer Type	Hardness (Shore A)	Colours	Roll Thickness(mm)	Roll Length (m)
Anti-slip protection, protection, decoration	SBR/NR	± 65-70	black, white, grey, blue, green, orange	3 , 5	10, 20
Electrical insulation	SBR/NR	± 75	light grey	3 , 5	10, 20
Flame-retardant and low smoke toxicity	SBR/NR	± 80-90	black, dark grey	3 , 5	10, 20
Hydrocarbon-resistant	SBR/NR	± 70	black, white	3 , 5	10, 20
Abrasion-resistant	SBR/NR	± 65-70	black	3 , 5, 12	6, 10, 20
Design, fonctionnality, ergonomoy	SBR/NR	± 55-80	black	upon request	upon request

The data given in the above table are general informations on the elastomers most frequently-used in industry, and may not represent the complete elastomer product portfolio offered by Boyd nor all the elastomers available on the market.

Abrasion-Resistant Rubber

Standard Abbreviations ¹	Elastomer Type	Hardness (Shore A)	Colours	Specific Volume (g/cm ³)	Abrasion Resistance ² (mm)
Severe abrasion	NR	± 70	black	1.12	≤ 100 mm ³ (load: 1 daN)
Severe abrasion	PARA	± 35	red	0.95	≤ 60 mm ³ (load: 5 N)
Severe abrasion	PARA	± 40	yellow	1.05	≤ 100 mm ³ (load: 5 N)
Moderate abrasion	NR	± 60	black	1.14	≤ 130 mm ³ (load: 1 daN)
Moderate abrasion	NR	± 65	black	1.15	≤ 100 mm ³ (load: 1 daN)
Specific abrasion	CR	± 65	black	1.47	≤ 200 mm ³ (load: 1 daN)
Specific abrasion	NBR	± 70	black	1.19	≤ 120 mm ³ (load: 1 daN)
Specific abrasion	NR	± 40	white	1.15	≤ 180 mm ³ (load: 5 N)
Specific abrasion	IIR	± 60	black	1.1	≤ 450 mm ³ (load: 1 daN)

¹ Profile types: fine ribbed, medium ribbed, broad ribbed, studded profile, checker. All reverse sides with cloth impression.

² According to the following international norms for rubber abrasion resistance: DIN 53 516 and NFT 46 012.