

BARRIERS

Various models according to a specific configuration.

1. Steel structure

a. Characteristics

- i. Material: Q235 steel, hot rolled
- ii. Color: Yellow RAL 1003 / Gray RAL 7016
- iii. Surface: Matte electrostatic paint.

b. Chemical composition

C	Yes	Mn	P	S
0.19	0.22	0.46	0.018	0.023

c. Mechanical Properties

	Standard	Result	Unit
Tensile Strength	D412	450	MPa
Ultimate elongation	D412	314	MPa
Hydrostatic pressure		Pass	
Elongation Test		Pass	

2. ABSORPTION MODULE:

a. Characteristics

- i. Material: Elastic Polymer SBR (Styrene Butadiene Rubber) / Natural Rubber
- ii. Color: Black with transverse yellow stripes, matte finish.
- iii. Surface: Smooth with closed pores

b. Dimensions and Tolerances.

Concept	Unit	PB100
High	mm	100
Diameter	mm	220
Tolerance	mm	+/- 3
Weight	Kg	



c. Mechanical Properties

Compound	RR00257
Ambient temperature	74°F
Moisture	60%
Date	06-02-2021

	Standard	Result	Unit
Tensile Strength	D412	9.32	MPa
Ultimate elongation	D412	396.1	%
Tear strength	D624	11	KN/m
Hardness	D2240	82	shore a
Compressive strength	D395	30	% 100 ° C 22hrs
100% (M100)	D412	2	MPa
300% (M300)	D412	10	MPa
Density	D176	1.4	Mpa
Fire resistive	DIN51960	Class I	
Shear strength		No Cut	-25 ° C 24hrs
Breaking Strength		No breaks	-25 ° C 5hrs

Aging with temperature

100 ° C 70hrs	Standard	Result	Unit
Change in Tensile Strength	D573	-2	%
Change in elongation	D573	2	%
Hardness Change (%)	D573	3	%

Liquid Test

100 ° C 70hrs	Standard	Result	Unit
Change in tensile strength	471	-3	%
Change in elongation	D471	-30	%
Hardness Change (%)	D471	5	%
Change in volume after oil immersion	D472	5	%
Change in weight after oil immersion	D473	3	%
Change in volume after immersion in water	D474	1	%
Change in weight after oil immersion	D475	1	%

3. PERFORMANCE:

It allows the absorption of the energy of the shock and causes the movement of the forklift to receive multiple shocks for an indefinite period of time.

