

CELO certifies that its ABM, ABT, STC and SSC clamps **have passed** the UV resistance tests ("Xenon test") according to the UNE-EN ISO 4892-2: 2014* for 1000 hours in a UV camera.

There has been no significant change in impact resistance, color, and tensile strength in the sample or in the current product sample affecting its performance and durability in installation.

(*) Standard definition: *Plastics. Exposure methods to laboratory light sources. Part 2: Xenon lamps.*



GREY color

Type of test	Test detail	Sample ¹	Method	Units	Before ageing	After ageing
Charpy Impact	Notched [23°C]	P	ISO 179	KJ/m ²	47.3	82.08
	Unnotched [23°C]	P			99.8	99.82
	Unnotched [23°C] Type of break	P			Not broken	Not broken
Flexibility	Closing clamp	M	x	x	Not broken	Not broken
Color ²	L [10°]	P	Color by Spectrophotometer CIE	x	76.93	78.26
	a [10°]	P			-2.57	-2.02
	b [10°]	P			3.16	4.55
Tensile	Tensile strength to break [50mm/min, 23°C, 1mm/min, seco]	P	ISO 527	MPa	36.91	29.29
	Tensile modulus [50mm/min, 23°C, 1mm/min, seco]	P			1745.8	823.8
	SSC 48-55. Tensile strength to break [10mm/min, 23°C]	M			x	kg

(1) Sample: The tests have been carried out with a sample of raw material "P" (60 x 45 x 3 mm) and with a real sample of product "M".

(2) Color: "L" indicates luminosity / clarity, "a" and "b" represent color coordinates. The "a" ratio of red / green, the "b" ratio of yellow / blue.

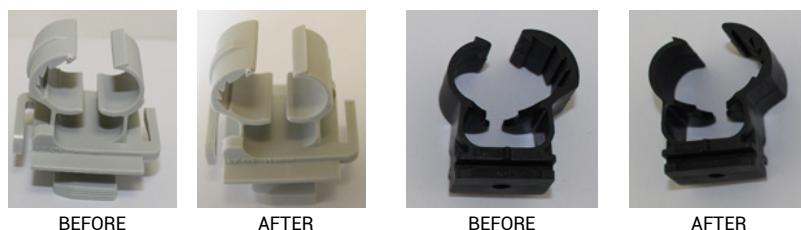
BLACK color

Type of test	Test detail	Sample ¹	Method	Units	Before ageing	After ageing
Charpy Impact	Notched [23°C]	P	ISO 179	KJ/m ²	39.8	87.4
	Unnotched [23°C]	P			99.9	97.8
	Unnotched [23°C] Type of break	P			Not broken	Not broken
Flexibility	Closing clamp	M	x	x	Not broken	Not broken
Color ²	L [10°]	P	Color by Spectrophotometer CIE	x	27.32	21.24
	a [10°]	P			0	0.1
	b [10°]	P			-1.01	0.09
Tensile	Tensile strength to break [50mm/min, 23°C, 1mm/min, seco]	P	ISO 527	MPa	42.66	41.34
	Tensile modulus [50mm/min, 23°C, 1mm/min, seco]	P			1976.3	889.3
	SSC 48-55. Tensile strength to break [10mm/min, 23°C]	M			x	kg

(1) Sample: The tests have been carried out with a sample of raw material "P" (60 x 45 x 3 mm) and with a real sample of product "M".

(2) Color: "L" indicates luminosity / clarity, "a" and "b" represent color coordinates. The "a" ratio of red / green, the "b" ratio of yellow / blue.

Photos of the tests



● ● ● **Small Things Matter** ●