



CARPENTER

We bring comfort to your life.™

Carpenter Belgium NV
 Wijnendalestraat 171
 B-8800 Roeselare
 Contact: info.be@carpenter.com
 Phone : +32 51 23 02 11
 Fax : +32 51 23 03 18

RICHFOAM® POLYETHER

European Standard Reference	Colour	Code	Width		Height		Density	CLD	ILD	Fire behaviour ⁽³⁾	Guide for Use
			(91-10)	(91-10)	(91-10)	(91-10)	kg m ⁻³	kPa ⁽²⁾	(indication)		
			cm	cm			Net	CLD 40%	ILD 40%		
RP18028	white	H90	192 198 224	120 118 110	16	2,8	100				Resilient grade for light duty and use under light covers, suitable for backs, headrests and padding (224cm-only rolls)
RP20036	yellow	H15	202	118	18	3,6	140				Basic quality for mattresses - hard hardness
RP23036	white	H90	188 205	118 120	21	3,6	140				Basic quality grade for mattresses - hard hardness
RP23060	yellow	H15	203	125	21	6,0	230				Extra hard low density cushion grade
RP24033	white	H90	222	115	22	3,3	125				Only rolls
RP24045	anthracite white	H79 H90	202	122	22	4,5	170				Technical applications, packaging (H79) Medium level grade for mattresses - medium hardness
RP27036	light blue	H52	190	118	25	3,6	140				Medium level grade for mattresses - medium hardness
RP29039	sahara	H84	202	112	27	3,9	155				Furniture quality medium
RP30057	white	H90	202	115	28	5,7	235				Hard special grade quality/grade for coating
RP32040	white	H90	188 198	112 112	30	4,0	170				Medium level for mattresses - medium hardness
RP35054	light blue	H52	202	115	33	5,4	220				Hard cushion seat
RP37080	white	H90	202	102	35	8,0	320				Hard special grade quality/grade for coating MINIMUM 90 METERS
RP40080	white	H90	202	115	38	8,0	320				Hard special grade quality/grade for coating
RP65110	light grey	H72	202	65	63	11,0	470			FMVSS302 (4), M4(5)	Hard special grade quality

RICHFOAM® POLYETHER FIRE RETARDANT

RF30037	black	H99	202	115	28	3,7	150	FMVSS302(4), M4(5)	FR Polyether to FMVSS 302 flammability for general purpose acoustic requirements and some automotive applications
RF30052	white	H90	202	115	28	5,2	210	FMVSS302(4), M4(5)	FR Polyether to FMVSS 302 flammability for general purpose acoustic requirements and some automotive applications

COMBUSTION MODIFIED POLYETHER

RX33036	sandy	H82	207	118	31	3,6	140	FMVSS302(4),M4(5),Crib V(6)	Medium level for mattresses - medium hardness fire retardant
RX34026	sandy	H82	194	120	32	2,6	110	FMVSS302(4),M4(5),Crib V(6)	High level for mattresses - soft hardness fire retardant
RX41039	sahara	H84	207	115	39	3,9	155	FMVSS302(4),M4(5),Crib V(6)	High level for mattresses - medium hardness fire retardant
RX46065	orchid	H23	212	95	44	6,5	220	FMVSS302(4),M4(5),Crib V(6)	High level for cushion grade - extra hard / grade for coating
RX60080	light grey	H72	212	90	58	8,0	300	FMVSS302(4),M4(5),Crib V(6)	High level for cushion grade - extra hard / grade for coating

HYBRID

HY32030	light blue	H51	203	106	28	3,0	130		Medium level for mattresses - soft hardness
HY35033	light yellow/white	M10	203	120	33	3,3	140		High level for mattresses - medium hardness marble foam
HY40045	white	H90	202	118	38	4,8	200		High level for mattresses - hard hardness



RICHLUX® HIGH RESILIENCE

European Standard Reference	Colour	Code	Width (cm)	Height (cm)	Density (kg/m ³) Net	CLD (kPa) ⁽²⁾ CLD 40%	ILD (Indication) ILD 40%	Fire behaviour ⁽³⁾	Guide for Use
HR25015	azure	H59	202	105	23	1,5	55		Backrest cushion grade - basic level
HR28020	white	H90	202	100	26	2,0	75	M4 (5)	Backrest cushion grade - medium level
HR32030	white	H90	202	120	30	3,0	100		Backrest cushion grade - high level Basic level for mattresses
HR35035	sahara	H84	192 202	115 115	33	3,5	140	FMVSS302 (4), M4 (5)	Medium level for mattresses - medium hardness
HR45055	orchid	H23	202	95	43	5,5	220	FMVSS302 (4), M4 (5)	High level for seat cushions - hard hardness Hard grade for mattresses
HR50065	grey	H75	202	95	48	6,5	250	FMVSS302 (4), M4 (5)	High grade for cushion -Hard hardness

LASTILUX® HIGH RESILIENCE

LS45025	white	H90	202	110	43	2,5	90	FMVSS302 (4), M4 (5)	Segment of high grade quality for mattresses - soft hardness
LS45032	light blue	H52	202	115	43	3,2	120	FMVSS302 (4), M4 (5)	Segment of high grade quality for mattresses - medium hardness
LS45038	sky blue	H53	202	110	43	3,8	145	FMVSS302 (4), M4 (5)	Segment of high grade quality for mattresses - hard hardness
LS55042	light grey	H72	202	95	53	4,2	160	FMVSS302 (4), M4 (5)	High level seat cushions/high level grade for mattresses

COMBUSTION MODIFIED HIGH RESILIENCE

RG50030	ilac	H43	202	110	48	3,0	120	FMVSS302(4),M4(5),Crib V(6)	Fire retardant seat cushion grade High level for mattresses - soft hardness fire retardant
RG50036	pink	H33	202	102	48	3,6	140	FMVSS302(4),M4(5),Crib V(6)	High grade for cushion - medium hardness High level for mattresses - medium hardness fire retardant

NATURALIS® HIGH RESILIENCE

European Standard Reference	Colour	Code	Width (91-101) cm	Height (91-101) cm	Density kg/m ³ Net	CLD kPa ⁽²⁾ CLD 40%	ILD (Indication) ILD 40%	Fire behaviour ⁽³⁾	Guide for Use
NA38038	sandy	H82	202	105	36	3,8	170	FMVSS302(4), M4(5)	Medium level for mattresses with vegetable oil - medium hardness
NA40031	blue	M05	210	105	38	3,1	125	FMVSS302(4), M4(5)	Medium level for mattresses with vegetable oil-soft hardness marble foam
NA40042	peach	H22	202	105	38	4,2	170	FMVSS302(4), M4(5)	Medium level for mattresses with vegetable oil - medium hardness
NA42035	pistachio	H63	205	105	40	3,5	130	FMVSS302(4), M4(5)	Medium level for mattresses with vegetable oil - soft hardness
NA50030	light yellow	H12	202	90	48	3,0	125	FMVSS302(4), M4(5)	High level for mattresses with vegetable oil - soft hardness
NA50038	light brown	H85	202	90	48	3,8	150	FMVSS302(4), M4(5)	High level for mattresses with vegetable oil - medium hardness

NATURALIS® HYPERSOFT

NA35015	yellow	H15	220	80	33	1,5	51		Extra soft grade for back cushions and mattresses + rolls
---------	--------	-----	-----	----	----	-----	----	--	---

NATURALIS® VISCO

NV45017	petrol orange	H25	202	85	43	1,7	55		Bedding toppers, pillows with vegetable oil (MINIMUM 90METERS)
NV45017	white	H90	192 202 207 220 202	85 85 85 80 85	43	1,7	55		Bedding toppers, pillows, compressed rolls with vegetable oil (207/220cm-only rolls)
NV50022	white	H90	202 207	85	48	2,2	70	FMVSS302(4), M4(5)	High level visco grade with vegetable oil (207cm-only rolls)



CELSIUS® VISCO ELASTIC

European Standard Reference	Kleur	Code	Breedte (91-101) cm	Hoogte (91-101) cm	Densteit kg/m ³ Net	CLD kPa ⁽²⁾ CLD 40%	ILD (Indication) ILD 40%	brandeigenschappen ⁽³⁾	Guide for Use
VE52018	white	H90	205 210 220	85 80 80	50	1,8	60	FMVSS302(4), M4(5)	Bedding toppers, pillows, compressed rolls (210/220cm-only rolls)
VG52018	violet	M45	202	85	50	1,8	60	FMVSS302(4), M4(5)	Bedding topper, pillows marble foam
VE52025	yellow	H15	202	85	50	2,5	80	FMVSS302(4), M4(5)	Combi mattresses, bedding toppers

CELSIUS® COMBUSTION MODIFIED VISCO ELASTIC

VC52022	white	H90	202 210 220	75	50	2,2	70	FMVSS302(4),M4(5),Crib V(6)	Combi mattresses, bedding toppers, pillows UK (210cm/220cm-only rolls)
VC85027	white	H90	205	65	80	2,7	85	FMVSS302(4),M4(5),Crib V(6)	Combi mattresses, bedding toppers, pillows UK
VC85035	light grey	H72	202	65	80	3,5	135	FMVSS302(4),M4(5),Crib V(6)	Wheelchair seats and contract furniture



x Meets the norm

- (1) ISO 845
 - (2) ISO 3386/1
 - (3) ISO 2439/B
 - (4) Federal Motor vehicle Safety Standard 302
 - (5) Classement de réaction au feu d'un matériau; établi conformément à l'article 88 de l'arrêté du 30 Juin 1983 modifié par l'arrêté du 22 Novembre 2002.
 - (6) Furniture and Furnishings (Fire) (Safety) Regulations SI 1324 1988, Amended 1989, 1993 and 2010
 - (7) Modified ISO 3386/1 and/or ISO 2439/B
 - (8) -Reduced burning characteristics are guaranteed when leaving the factory.
Carpenter cannot be held responsible for further treatment.
 - (9) Dimensions in mm
 - (10) Other dimensions on request
- The given figures are average values to which our tolerances apply; susceptible to alterations.

Tolerance ⁽¹⁾	Length (cm)	Width (cm)	Height (cm)
RF-RP-RX-AM-HY	0±2	0±2	0±4
HR-RG-LS-NA-GC	0±2	0±7	0±4
VE-VC-VA-VG-NV-HS	0±3	0±7	0±5

Net Density		Hardness ⁽²⁾	
Min.	-5%	Min.	-15%
Max	+5%	Max	+15%

CODE-KEY FOR LETTERS

AM	Antimicrobial Polyether
AS	Antistatic Polyether
FL	Flame laminatable polyether
GC	Large cell polyether
HR	High Resilience
HS	Hypersoft
HY	Hybrid
LS	Lastilux
NA	Naturals
NV	Naturals Visco
RB	Richbond combustion modified rebond
RF	Fire retardant polyether
RG	Combustion modified high resilience
RL	Richlux standard high resilience
RP	Standard polyether
RS	Sponge
RX	Combustion modified Polyether
VA	Celsius Visco with Antimicrobial
VC	Celsius Combustion modified Visco
VE	Celsius Visco elastic
VG	Clima Visco elastic
VL	Celsius Combustion Modified Viscolux

CODE-KEY FOR FOAM PROCESS

V	Vertical Process
H	Horizontal Process

RICHFOAM®, RICHGUARD®, RICHBOND® and CELSIUS® are all registered trademarks of Carpenter Co.