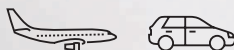




Calora – PES-Filament, high tenacity

A sewing thread for the car interior



Our article group Calora is specially designed to meet the requirements of the automotive industry. High breaking strength, abrasion resistance, heat and light resistant dyes, silk-like appearance, ideal extension, knotfree despite long thread length and optimal sewing properties present the main characteristics of this special sewing thread.

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	Calora 15	Calora 20	Calora 30	Calora 40	Calora 80
Technical properties	Nm 15/3	Nm 20/3	Nm 30/3	Nm 40/3	Nm 80/3
Raw material:	100 % Polyester	100 % Polyester	100 % Polyester	100 % Polyester	100 % Polyester
Count					
Method of test EN ISO 2060	$\bar{x} = 2.223$ dtex	$\bar{x} = 1.479$ dtex	$\bar{x} = 920$ dtex	$\bar{x} = 740$ dtex	$\bar{x} = 365$ dtex
Breaking strength					
Method of test EN ISO 2062	≥ 10.600 cN	≥ 7.700 cN	≥ 5.200 cN	≥ 3.800 cN	≥ 2.175 cN
Breaking extension					
Method of test EN ISO 2062	$\bar{x} = 21$ %	$\bar{x} = 16,5$ %	$\bar{x} = 21,5$ %	$\bar{x} = 17$ %	$\bar{x} = 14$ %
UV resistance					
in accordance with PV 1303, 3 periods	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4
Applications	felled seams, decorative seams on leather seats, steering wheel	head rests, felled seams, edge stitch and closing seams, decorative seams	arm rests, centre console, under thread, edge stitch and closing seams	edge stitch and closing seams	underthread, airbag side-seams, embroidery thread
Make up					
Kingspools	1.500 m	2.000 m	3.000 m	4.000 m	2.400 m and 8.000 m
Sewing and technological properties	High tenacity Calora in polyester is free from knots and specially dyed to be UV resistant for the automotive industry (to ensure colour fastness). Optimal sewing properties and controlled extension as a result of hot-stretching and stabilising. The use of high tenacity materials ensures seam durability even in conditions of continuous stress. The silk-like lustre makes Calora particularly suitable for visible seams and decorative stitching.				
Available colours	To individual specification				
	A product from the Gütermann-Zwicky range				
	www.guetermann.com Gütermann				