

DATA SHEET



TESTED FOR	RESULT	CONFIRM TO DIN	CARAMEL 440
Lightfastness:	2 - 3	54004	 <p>Color: Caramel 440 Collection: Glamour Thickness: 1,4 - 1,6 mm</p>
Abrasion values:	Level:		
Dry	5	53339	
Wet	4 - 5		
Perspiration	4		
Permanent folding behavior: 20.000 bucklings	passed	53340	
Tensile strength: 20 N/mm	passed	53329	
Burning behavior: EN1021 part I u. II	passed		

Detailed information about light fastness, abrasion values, skin tolerance and burning behaviour can be found at:
www.vegetable-tanned-leather.com/data-and-facts.html

Tested for
Heavy metals, aniline
(Conducted by the German Institute of Environment in Bremen, 2015)

DATA SHEET



Results of the examination for aniline

Parameter	K 1056 FL-3 Ecopell 440 Caramel KW 4 (mg/kg)	NG (mg/kg)	Requirements IVN Leather (mg/kg)	Requirements ECARF (mg/kg)
Aniline	nn	5	∑ 100*	5

* Sum limit for further amines going beyond European legislation
(2,4 Xylidine, N,N. Dimethylaniline, 5-Chlorine-o-toluidine, p-Phenylenediamine and Aniline)

Results of the examination for heavy metals

Heavy metals	K 1056 FL-3 Ecopell 440 Caramel KW 4 (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)	Requirements ECARF (mg/kg)
Antimony	<0,5	0,5	1	-
Aluminium	120	10	500	-
Arsenic	<0,5	0,5	1	-
Lead	<0,5	0,5	1	-
Cadmium	<0,2	0,2	0,2	-
Chrome	15	1	50	40
Cobalt	<1	1	1	-
Mercury	<0,1	0,1	0,2	-
Nickel	<1	1	5	-
Titanium	<10	10	500	-
Zirconium	<5	5	500	-

BG = limit of determination | NG = detection limit | mg/KG = milligram per kilogram | nn = not detected