

## Chemical product data sheet

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### Article description

STAEDTLER Lumocolor **permanent marker 350, 352, 385, 388**

### Constituents

Inks: Alcohol mix- e.g. ethyl alcohol, propanol  
Dyestuffs – colouring agents containing toxic heavy metals are not used  
Resin-based binding agent and additives

Holder:	Plastics:		
350, 352	Barrel / cap		PP
385, 388	Barrel		PE
	Cap / sleeve		PP

Refill units:			
350, 352	Refill station	488 50:	PP
385, 388	Refill ink	485 23:	PP

Packaging:	STAEDTLER Box:	PP
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PP: polypropylene, PE: polyethylene

### Toxikologie

Not harmful if used in the proper manner.  
STAEDTLER products are subject to comprehensive quality inspections.  
REACH SAFETY DATA SHEET for the refill stations 488 50 und 485 23 can be provided to commercial buyers.

### Conformity

STAEDTLER Lumocolor permanent marker 350, 352, 385, 388 meet the standards:

ISO 11540	'Caps for writing and marking instruments intended for use by children up to 14 years of age – Safety requirements'. Ventilated caps reduce the danger of asphyxiation for children up to the age of 14 should caps be swallowed accidentally.
ISO 554	Standard atmospheres for conditioning and/or testing – Specifications. This standard contains the test parameters for the dry safe properties.

### Usage notes

Dry safe:	Can be left uncapped for days without drying up
Lightfast:	Black and green for over 10 years (light fastness tested on paper)
Line widths:	350: approx. 2 or 5 mm, 352: approx. 2 mm, 385: approx. 2 or 7 mm, 388: approx. 2 – 12 mm
Refill units:	Refill station and refill inks are available in red, blue, green and black