



Plasticized polyvinyl chloride film type 846

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1 General characteristics

Plasticized polyvinyl chloride (PVC-P) film type **846** is produced by calendering technology. There are no phthalate plasticizers contained in our film recipes from - the rolls are denoted by white label with red sign "NEW". This film is not tested for the amount of phthalates and may contain more than 0.1% of phthalates. On customer's request, the film can be made as a semi-product for products for children of up to 3 years - the rolls are denoted by blue label (in the name is "D" behind the type number). This film is tested for the amount of phthalates (max. to 0,1 %) - is guaranteed by compliance with ES 1907/2006 (REACH), Annex XVII, item 51 and 52. Due to the requirements of the customer on the special properties of the film it may be produced from recipes that include phthalate plasticizers or other special components or other special components - the rolls are denoted by yellow label.

The film is designed for stationery products and for vacuum packaging of small products in the electronic and engineering industries. These products must not be exposed to weather conditions, to solar radiation for prolonged periods. The film stabilized against solar radiation ("UV") is designed for outdoor use, such as for rain covering for baby carriages ("**D**"), tent windows, coverings of the mobile swimming baths etc. On customer's request, the film can be made in powdered version by using natural cornflour to prevent adhesiveness ("**P**").

The film may be handled at temperatures ranging from +5 °C to +40 °C ("UV" variant from -5 °C to +40 °C) and may be high-frequency welded or glued, as well as sewn together. In case of connecting more than one type of PVC-P film, it is recommended using the films of approximately the same hardness from the same producer (i.e. FATRA, j.c.). It is necessary to combine the films with the same color label. All films eventually used for production of the final product have to be connected in the same direction of calendaring. Otherwise the producer cannot guarantee the quality of the final product. The film is available with a smoothed surface or finished by embossing, transparent or in a bluish tint. In case of any special requirements for both design and quality it is desirable to confirm the demands in writing and to approve the respective sample. Packing, the size of basic packing units as well as marking of the product may be standard i.e. wound on cardboard tubes, wrapped in paper or PE Mirelon, laid and fixed on EUR pallet in horizontal layers or various packaging can be agreed on at customer's request in writing. Transport of the film has to be made by a dry, clean and covered vehicle. Storage within temperatures ranging from +5 °C to +35 °C.

2 Dimensions

Thickness [mm]	Width [mm]	Quantity in one roll [m]
0.08 +0.02/-0.01	(800 - 1400) $\pm$ 10	150 - for th. (0.08 - 0.14) mm
(0.10 - 0.25) $\pm$ 0.02		100 - for th. (0.15 - 0.20) mm
(0.26 - 0.35) $\pm$ 0.03		50 - for th. (0.21 - 0.29) mm 50 - for th. 0.30 mm

Cut film produced at customer's request:

Thickness [mm]	Width [mm]	Quantity in one roll [m]
0.08 +0.02/-0.01 (0.10 - 0.25) $\pm$ 0.02 (0.26 - 0.30) $\pm$ 0.03	(30 - 700) $\pm$ 2 *)	60 - 1200 **)
0.08 +0.02/-0.01 (0.10 - 0.25) $\pm$ 0.02 (0.26 - 0.30) $\pm$ 0.03	(10 - 700) $\pm$ 1 *)	30 - 150 **)

*) cut film - width tolerance depend on equipment

**) according to mutual agreement with the customer

3 Technical specification

Property	Value	Unit	Test Standard
Hardness at (23 $\pm$ 2) °C	40 $\pm$ 3	Sh D	ČSN EN ISO 868 (after time 3 s)
Density (informative value)	1.26	g/cm ³	ČSN EN ISO 1183-1 immersion method
Tensile strength at break, min.	20	MPa	ČSN EN ISO 527-1 ČSN EN ISO 527-3 500 mm/min test specimen type 5
Elongation at break, min.	250	%	
Dimensional stability (125 °C, 6 min), max.	$\pm$ 8	%	ČSN 64 0610
Side extension of roll winding	$\pm$ 2	mm	PN 4542/97 (Company Standard)

END