



HOSTAPHAN™ VLD CSRO and VLD CSRI

White biaxially oriented PET film with low density

HOSTAPHAN™ VLD CSRO/CSRI is a white film with a density < 1 g/cm³. One surface is chemically treated for adhesion.

Please note: Data based on pilot line trials, type is still under development and may change.

Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	23 50, 75, 100	N/mm ²	143 145	139 135	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	23, 50, 75, 100	%	99	43	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	23 50, 75, 100	N/mm ²	3584 3500	3905 2500	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	23, 50, 75, 100	N/mm ²	80	75	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	23, 50, 75, 100	%	1.7	1.0	DIN 40634	150°C, 15 min.
OPTICAL						
Optical appearance	23, 50, 75, 100	-	translucent white		internal	-
Transparency	23 50 75 100	%	40 25 17 14		ASTM-D 1003-61 method A	-
PHYSICAL/CHEMICAL						
Density	23, 50, 75, 100	g/cm ³	0.85-0.98		ASTM-D 1505-68 method C	23°C

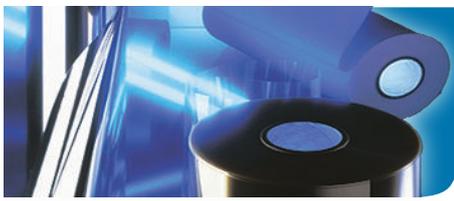
MD = Machine direction, TD = Transverse direction

Roll lengths on request. Core diameter: 152.4 mm (6")

HOSTAPHAN VLD CSR is available in two different windings:

CSRO: Coating wound outside

CSRI: Coating wound inside



HOSTAPHAN™

This HOSTAPHAN™ film is permitted for food contact according to the current version of EU Regulation 1935/2004 and 10/2011 as well as FDA regulation 21 CFR 177.1630 under the conditions set out in our current Declaration of Compliance. Before using this Hostaphan® film in a food contact article, please request this Declaration of Compliance.

This data sheet reflects our state of knowledge at the time this was prepared. The purpose is to provide an overview of the characteristics of our products and their potential uses. The values given reflect the typical characteristics of the film. They are not specification limits. They are neither a guarantee of specific properties nor the suitability of products in specific applications. The user must observe industrial property rights, such as patents or trademarks. The quality of our products is covered by the terms of the General Conditions of Sale of MITSUBISHI POLYESTER FILM GmbH.

Edition 12/24