

## Technical Datasheet - Duplex PVC/PVdC Barrier Film Clear 250.40 (H)

**Customer** AFC

**PRODUCT :**

PRODUCT : Pharmaceutical Grade Duplex PVC/PVdC Film  
 PRODUCT : Duplex Clear PVC/PVdC 250.40 (H) Barrier Film  
 CLIENT REFERENCE : TBA  
 AFC MASTER REFERENCE : TBA

**Description**

PVC/PVdC film with good thermoformability and improved water vapour and oxygen barrier for pharmaceutical blister packs.

**Homopolymer PVC Base Film**

Test	Unit	Nominal Value	Tolerance	Test Method
Total weight	[g/m <sup>2</sup> ]	380	361 - 399	Internal
Total thickness	[µm]	274	260 - 287	DIN 53370
Thickness PVC	[µm]	250	238 - 263	DIN 53370
Thickness PE	[µm]	N/A	N/A	DIN 53370
Coating weight PVdC	[g/m <sup>2</sup> ]	40	38 - 42	Internal
Yield	[m <sup>2</sup> /kg]	2.6	N/A	N/A
Bond strength	[N/60mm]	35	>35	Internal
Shrinkage MD	%	-6	max. -6	DIN 53377
Shrinkage TD		+2	max. +2	140 °C, 10 min

**Barrier Values:**

WVTR	(23°C, 85% r.h.)	[g/m <sup>2</sup> x d]	0.14	≤ 0.14	ASTM F 1249
WVTR	(40°C, 75% r.h.)	[g/m <sup>2</sup> x d]	0.7	≤ 0.70	ASTM F 1249
O2 Barrier	(23°C, 50% r.h.)	[cm <sup>3</sup> /m <sup>2</sup> x bar x d]	1.1	≤ 1.10	ASTM D 3985

**General:**

Standard Colour: 950 Transparent  
 Core Diameter: 76mm  
 Roll Diameter: As per customers specification  
 Roll Width: From 60mm to 1580mm  
 Max Roll OD: 500mm

**Shelf Life Of Material**

The material will be shelf stable for a period of 12 months provided that the material is stored in the following manner:

1. Dry and well ventilated area.
2. Temperature between 5°C and 25°C.
3. Relative humidity of between 30% and 60% RH.

Protection from direct sunlight is necessary.

**Packaging Supplier**

Perlen Converting AG  
[www.perlenackaging.com](http://www.perlenackaging.com)

**Quality Guidelines**

DMF registered, USP and Ph EU 3.1.11, cGMP, and ISO9002 compliant.

Fully certified for pharmaceutical blister applications.

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