

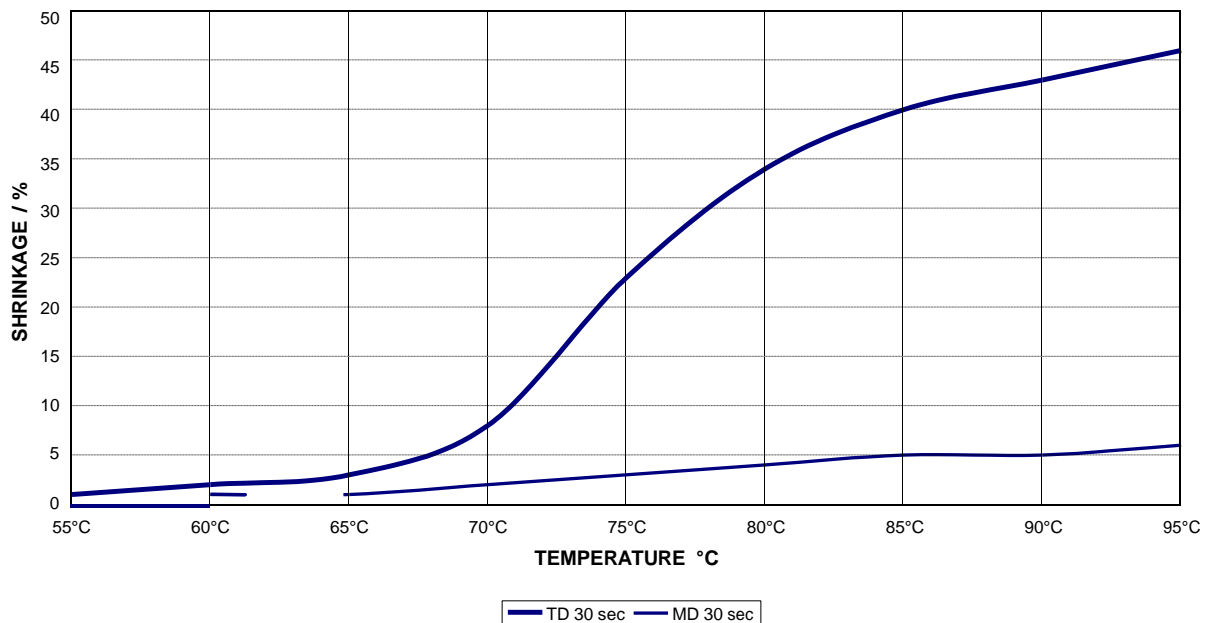
Data Sheet

Grade	TD 45MG
Polymer	PVC
Colour	Transparent and different colours
Surface	Matt/Glossy
Application	Bottle capsules
Special Properties	Suitable for high speed capsule machines

Rev.6
Date 26/01/2018

The film complies with the Regulation for plastic in contact with food (EC) 10/2011 and its amendments as well as with (EC) 94/62 "Packaging and Packaging waste".

RENOLITSHRINK TD 45MG Matt/Glossy
Typical shrinkcurves measured in water



Sistema de
Gestión
ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007

www.tuv.com
ID 1100008038



All typical Physical Properties listed above pertain to unformed transverse direction orientated PVC film. This information is believed to be correct, but does not constitute a warranty, guarantee or material specification. The customers must determine suitability for intended use of Renolit's films. Sales of all Renolit AG oriented PVC film are made pursuant to Renolit's orders confirmation and sales terms and conditions.

RENOLITSHRINK



Rely on it.

Grade TD 45MG

Properties	Standard	Value	Unit	Remarks
Thickness	DIN 53370	75	Micron (µm)	
Thickness tolerance	DIN 53370	±10	%	
Density (depending on the colour)	DIN 53479	1,32	g/cm ³	Tolerance: ± 0,03 g/cm ³
Tensile strength Machine direction (MD)	DIN 53455	> 50	N/mm ²	
Transverse direction (TD)		> 85	N/mm ²	
Elongation at break Machine direction (MD)	DIN 53455	> 110	%	
Transverse direction (TD)		> 70	%	
Shrinkage 30 sec @ 95°C Machine direction (MD)	DIN 53377	≤ 5	%	Measured in water
Transverse direction (TD)		45 ±2	%	
Surface tension	DIN 53364	≥ 34	Dyn/cm	Measured with inks (pens) both sides
Reel diameter		Max. 1000	Millimetre	
Process conditions	Best process conditions are between 20°C and 35°C. Lower temperatures can cause brittleness of the film. Higher temperatures can cause pre-shrinkage			
Storage	Below 30°C Exposure to direct sunlight is not permitted Maximum storage time is 12 month from delivery			



Sistema de Gestión
ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007

www.tuv.com
ID 1100008038



All typical Physical Properties listed above pertain to unformed transverse direction orientated PVC film. This information is believed to be correct, but does not constitute a warranty, guarantee or material specification. The customers must determine suitability for intended use of Renolit's films. Sales of all Renolit AG oriented PVC film are made pursuant to Renolit's orders confirmation and sales terms and conditions.