

TECHNICAL DATA SHEET

PETG D79 Shrink

PETG D79 Shrink is a rigid PETG shrink film, oriented in transverse direction, with double printable side. Recommended for using in steam shrink tunnels, for shrink sleeve label application. Widely used for special shape bottle (big diameter difference between bottleneck and body).

TYPICAL TECHNICAL FEATURES ⁽¹⁾

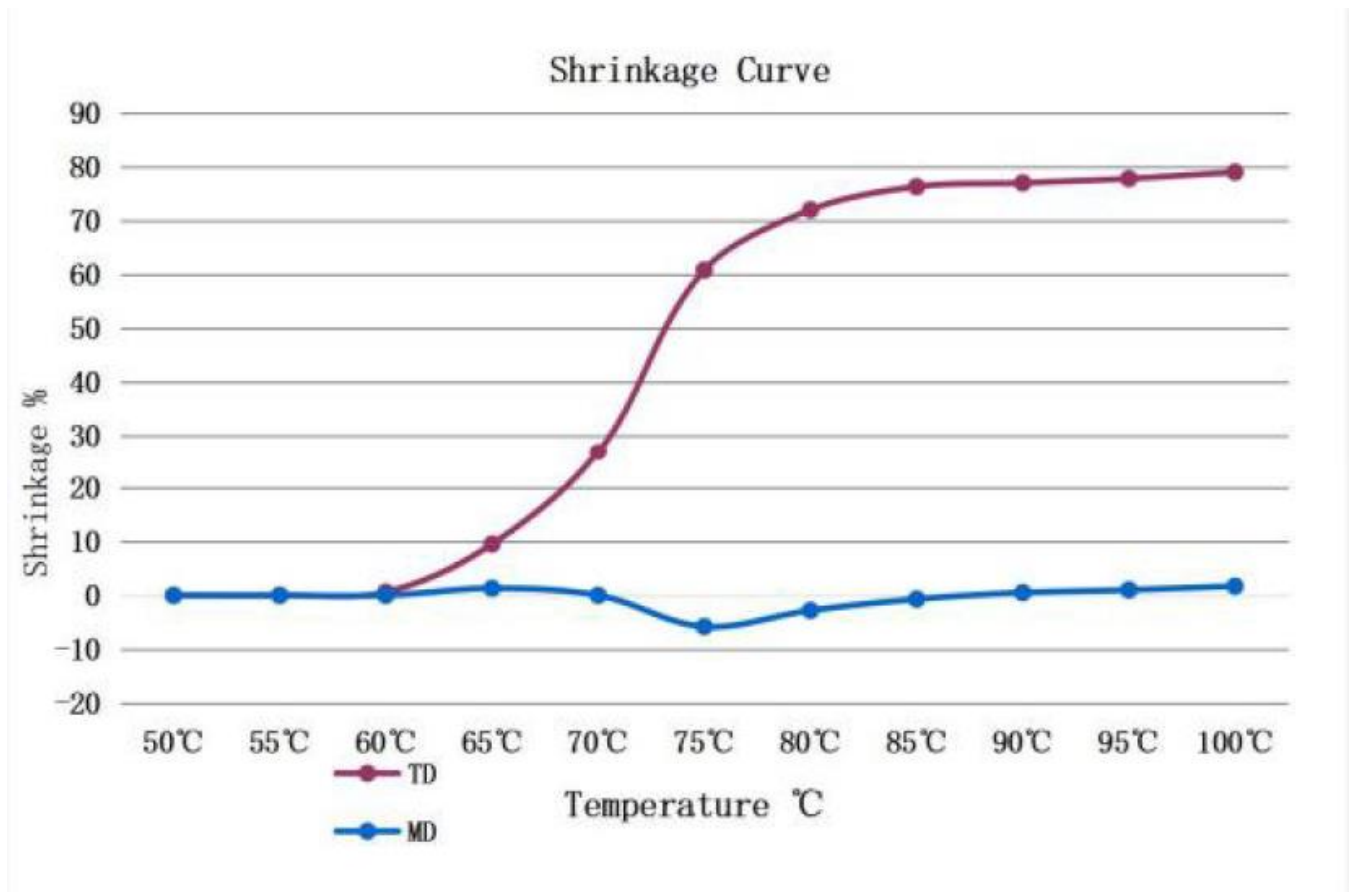
PHYSICAL PROPERTIES		METHOD	UNIT	VALUE		
				934/85 40µm	935/85 45µm	936/85 50µm
Thickness		ASTM D374	µm	40 ± 2,0	45 ± 2,25	50 ± 2,5
Grammage		Internal	g/m ²	52,8 ± 2,64	59,4 ± 2,97	66 ± 3,3
COF (inside/outside)	static	ASTM D1894	-	0,33		
	dynamic		-	0,30		
Surface tension		ASTM D2578	dyne/cm	40		

MECHANICAL PROPERTIES		METHOD	UNIT	VALUE		
				934/85 40µm	935/85 45µm	936/85 50µm
Tensile strength at break	MD	ASTM D882	MPa	61		
	TD			286		
Elongation at break	MD	ASTM D882	%	567		
	TD			36		

THERMAL PROPERTIES		METHOD	UNIT	VALUE		
				934/85 40µm	935/85 45µm	936/85 50µm
Thermal shrinkage (80°C/10s/water)	MD	ASTM D1204	%	-2,8		
	TD			72		
Thermal shrinkage (90°C/10s/water)	MD	ASTM D1204	%	-0,7		
	TD			76,3		
Thermal shrinkage (100°C/10s/water)	MD	ASTM D1204	%	1,7		
	TD			79		

⁽¹⁾ The information and data contained herein are to be used only as a guideline; therefore, ULTRALEN FILM GmbH doesn't offer any guarantee on their absolute truthfulness and doesn't accept any liability arising out of their use.

OPTICAL PROPERTIES		METHOD	UNIT	VALUE		
				934/85 40μm	935/85 45μm	936/85 50μm
Haze		ASTM D1003	%	3,7		
Gloss	45°	ASTM D2457	GU	122		



STORAGE

Store the material in a dry location (preferably with ≈ 55 -60%) at a constant temperature between 10°C and 30°C. Do not leave it exposed to direct sunlight or atmospheric agents. Partially used reels have to be repacked as originally supplied.

WARRANTY

Material processability is guaranteed up to 6 months since shipment date, as long as it is stored correctly. It is recommended to condition the material at room temperature at least 24 hours before its use.



DISCLAIMERS

ULTRALEN FILM GmbH gives no warranty, expressed or implied, as to the suitability of the material for a specific application or characteristic use. An industrial homologation test of the material in actual conditions of purpose is always needed in order to verify its suitability for the specific application or characteristic use. Before using the material, it is advisable to check the compatibility of the inks and adhesives to be purposed with the type and level of its treatment.

