

Desmoderm® TXC EHC-01/1

Polyurethane (Polyester based)

Covestro - PUR

Message:

Desmoderm TXC EHC-01/1 is a one-component polyester urethane based on an aromatic diisocyanate.

General Information			
Features	Ultrasonic weldable		
	Flexibility at low temperatures		
	Hydrolysis resistance		
Agency Ratings	EU 1999/45/EC		
	EU 2006/121/EC		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Viscosity (23°C) ¹	8 - 20	mPa · s	DIN EN ISO 3219/A.3
Light-Fastness			DIN EN ISO 105-B02
transparent, with 0.5% Tinuvin® 765	5.00		DIN EN ISO 105-B02
transparent, without light stabilizer	3.00		DIN EN ISO 105-B02
Volume Swelling - Ethyl Acetate (23°C) ²	100	%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	100	µm	
Tensile Modulus - 100% (100 µm)	7.00	MPa	DIN 53504
Tensile Strength			
100 µm ³	35.0	MPa	DIN 53504
100 µm ⁴	40.0	MPa	DIN 53504
100 µm	45.0	MPa	DIN 53504
Tensile Elongation			
Break, 100 µm ⁵	400	%	DIN 53504
Break, 100 µm ⁶	150	%	DIN 53504
Break, 100 µm	450	%	DIN 53504
Additional Information	Nominal Value	Unit	Test Method
Data taken from transparent films of 25% solids solution in dimethyl formamide/methyl ethyl ketone (3:2)			
NOTE			
1.	25% solution in dimethyl formamide/methyl ethyl ketone (3:2)		
2.	2 hr		
3.	after 28 days hydrolysis		

4.	after 400 hr Xenotest with 0.5% Tinuvin® 765 (Ciba)
5.	after 28 days hydrolysis
6.	after 400 hr Xenotest with 0.5% Tinuvin® 765 (Ciba)

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