TORETEC™ Low-Adhesive to High-Adhesive Type

Surface-protection film

TECHNICAL DATA

(The below are representative/measured values and not guaranteed values.)

Features

Surface-protection film that protects surfaces such as optical films and functional plastic plates. We offer a range of thickness, width, length and color options and can suggest a type to suit your needs.

	TORETEC™ Low-Adhesive Type					
Type Name	7111	7121	7531	7721	7832C	7332
Representative Thickness (μ)	50	50	30	50	30	30
Tensile Strength (MD) (MPa)	25	25	40	35	35	45
Tensile Strength (TD) (MPa)	20	20	30	30	25	35
Tensile Elongation (MD) (%)	550	550	750	850	555	800
Tensile Elongation (TD) (%)	810	790	1,000	950	800	1,000
Young's Modulus (MD) (MPa)	400	400	450	400	300	550
Young's Modulus (TD) (MPa)	500	450	550	450	300	650
Adhesive Strength: PMMA Plate AVE (mN/25 mm)	50	100	40	35	—	40
Adhesive Strength: PC Board AVE (mN/25 mm)	—	—	40	35	60	30
Features	• Ideal for resin plates		• Ideal for resin plates and optical films • Little change in adhesive strength		• Ideal for polarizing-plate applications	

	TORETEC™ Medium-Adhesive Type			TORETEC™ High-Adhesive Type	
Type Name	7A62	7H52	7232	7461	7571
Representative Thickness (μ)	50	30	50	70	50
Tensile Strength (MD) (MPa)	60	75	30	35	35
Tensile Strength (TD) (MPa)	45	40	20	25	30
Tensile Elongation (MD) (%)	750	700	650	750	750
Tensile Elongation (TD) (%)	890	855	930	925	1,055
Young's Modulus (MD) (MPa)	550	550	450	200	400
Young's Modulus (TD) (MPa)	550	500	500	200	500
Adhesive Strength: PMMA Plate AVE (mN/25 mm)	—	—	180	320	400
Adhesive Strength: PC Board AVE (mN/25 mm)	170	80	—	—	—
Features	• Heat resistant	• Heat resistant • Low pollution	• Ideal for light-guide-plate applications	• Excellent stretch	• High adhesive

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TORETEC™ Strong-Adhesive Type

Surface-protection film

TECHNICAL DATA

(The below are representative/measured values and not guaranteed values.)

Features

Surface-protection film that protects surfaces such as optical films and functional plastic plates. We offer a range of thickness, width, length and color options and can suggest a type to suit your needs.

	TORETEC™ Strong-Adhesive Type				
Type Name	R034	R304C	R405CZ	R701	R703
Representative Thickness (μm)	45	40	30	40	40
Tensile Strength (MD) (MPa)	60	55	70	60	55
Tensile Strength (TD) (MPa)	35	35	35	40	40
Tensile Elongation (MD) (%)	700	700	650	650	650
Tensile Elongation (TD) (%)	750	750	750	750	700
Young's Modulus (MD) (MPa)	530	540	1130	610	630
Young's Modulus (TD) (MPa)	500	480	980	600	610
Adhesive Strength: SUS Plate AVE (N/25 mm)	3.0	2.1	2.3	4.0	5.0
Features	•Ideal for use with textured resin plates or in optical-film applications				

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