

## Features

---

### ecule®

ecule® is a spunbond embossed polyester long fiber nonwoven fabric developed by Toyobo using its proprietary technology.

- (1) It has excellent tensile strength and tear strength.
- (2) It has excellent dimensional stability.
- (3) Since it is made of polyester material, it has excellent heat resistance, weather resistance, water resistance, oil resistance, chemical resistance, etc.
- (4) Very little delamination occurs.
- (5) Excellent processability.
- (6) We handle from 10 g/m<sup>2</sup> metering.



# Specifications and Physical Properties

## Standard Physical Properties

Product number	Metsuk e (g/m2)	Thickn ess (mm)	tensile strength (N/5cm)		elongation (%)		tear strength (N)		dry heat shrinkage (%)	
			Tate	Yoko	Tofu	Yoko	Tate	Yoko	Tate	Yoko
3151A	15	0.13	39	13	18	24	5	4	1.7	0.5
3201A	20	0.15	55	21	20	27	6	6	1.8	0.4
3251A	25	0.17	82	29	23	30	7	7	1.4	0.3
3301A	30	0.19	92	37	22	28	9	9	1.3	0.4
3401A	40	0.23	138	56	24	30	12	12	1.1	0.4
3501A	50	0.27	178	76	25	31	15	16	1.0	0.4
3601A	61	0.30	220	96	24	30	19	19	0.9	0.4
3701A	70	0.32	244	110	24	31	24	23	0.9	0.3
3A01A	103	0.40	329	142	22	28	42	34	0.8	0.3
3151AD	16	0.12	51	13	22	31	5	4	1.9	0.5
3201AD	20	0.14	65	19	24	31	6	6	1.4	0.7
3251AD	25	0.16	90	25	25	32	6	7	1.5	0.4
3301AD	30	0.18	114	32	25	32	7	8	1.3	0.4
3401AD	40	0.21	169	49	31	35	10	12	1.2	0.5
3501AD	51	0.25	240	70	33	36	14	17	1.2	0.4
3801AD	81	0.32	389	117	35	37	20	26	0.9	0.4
3A01AD	100	0.39	560	145	33	40	32	35	0.8	0.4
3A51AD	152	0.45	573	192	27	36	48	49	0.9	0.4
3151B	15	0.11	48	17	19	16	3	4	1.4	0.5
3201B	20	0.13	62	25	20	16	5	4	1.4	0.3
3501B	50	0.20	213	98	25	22	10	11	1.0	0.4
3701B	70	0.24	285	135	25	23	17	16	0.9	0.4
3251BD	25	0.13	104	31	26	23	4	5	1.1	0.4
3501BD	50	0.19	248	78	30	24	6	9	1.0	0.7
3801BD	80	0.24	416	138	35	31	11	15	1.1	0.6

The physical properties shown in the above table are standard values based on measurement according to JIS L-1913, and are not guaranteed values.

The contents may be changed without notice for quality improvement.

The results obtained by applying the information on this website and the safety and suitability of this product are not guaranteed. Customers should check the safety and suitability of this product according to its intended use. Please read the Product Safety Data Sheet (SDS) carefully before handling this product.

## Base

---

### Business Base

- **Osaka Head Office**

13 1, Umeda 1-chome, Kita-ku, Osaka 530-0001, Japan  
Osaka Umeda Twin Towers South

TEL:06-6348-3362

- **Tokyo Branch**

Kyobashi One Terrace, 1-17-10 Kyobashi, Chuo-ku, Tokyo 104-0031, Japan

TEL:03-6887-8700

### factory

- **Iwakuni Site**

1-1, Nada-cho, Iwakuni, Yamaguchi 740-0033, Japan

TEL:0827-33-3111

- **Tsuruga site**

10 24, Toyo-cho, Tsuruga, Fukui 914-8550, Japan

TEL:0770-21-4766

### Research Institute

- **Katata Site**

1-1, Katata 2-chome, Otsu, Shiga 520-0292, Japan

TEL:077-571-0076