

SOMABLACK®

SOMABLACK® is a light shading/reflection preventing film for use in optical instruments. It has a proven track-record for many years and reliability among users for use in camera units, etc. of silver-halide cameras, digital cameras and mobile phones.

Features

1. SOMABLACK® is a polyester film mixed with carbon black. It has excellent dimensional stability and works well for punching work.
2. With double-sided sand-matte finishing, light reflectance is reduced, and by further special coating, electrical conductivity and sliding property are added.
3. SOMABLACK-H has particularly high light-shading property, comparable to silver-halide cameras.
4. SOMABLACK-NR offers excellent reflection prevention, comparable to pile (nap) finishing.

Product Line-Up and Properties

Product Type	Examples of Applications	
Regular (SOMABLACK-R)	Spacers, washers, etc. that need to be black or matte finish in appearance.	
High Light-Shading (SOMABLACK-H)	Light shading parts of optical instruments like a shutter and diaphragm, etc. of cameras.	
Coating (SOMABLACK-C)		
Non-Reflection (SOMABLACK-NR)	Light-reflection prevention materials inside optical instruments, as well as outer parts.	
Grade	Property	Examples of Applications
MD	Matte Finish	Camera shutters, diaphragms, spacers, washers, etc.
MDED	Matte Finish & Electric Conductivity	Camera shutters, diaphragms, spacers, washers, etc. that need the control of static electricity.
MDVD	Matte Finish & Electric Conductivity/Sliding Property	Camera shutters, diaphragms, zooming cylinders, etc. that need static electricity control and sliding property.

Grade Line-Up

Type	Grade		Thickness [μm]	Specular Glossiness (60°) [%]	Optical Density[vis]	Surface Resistivity [Ω/□]
			JIS P 8118	JIS Z 8741	X-Rite 361T(V)	JIS K 7194 (Grade MD:JIS K 6911)
SOMABLACK- R	25	MD	29±4	10.3	1.5	10 ¹³ ≤
	38	MD	42±5	4.3	2.1	10 ¹³ ≤
	50	MD	54±6	2.9	2.7	10 ¹³ ≤
	75	MD	80±8	2.5	4.0	10 ¹³ ≤
	100	MD	106±11	2.4	3.5	10 ¹³ ≤
	100	MDED	108±11	3.6	3.5	10 ⁶
	188	MD	192±19	2.1	5.0≤	10 ¹³ ≤
	250	MD	255±20	2.1	5.0≤	10 ¹³ ≤
SOMABLACK- H	50	MD	54±6	2.8	5.0≤	10 ¹³ ≤
	50	MDED	56±6	3.9	5.0≤	10 ⁶
	50	MDVD	58±6	4.6	5.0≤	10 ⁶
SOMABLACK- NR	N25	-	53±7	0.5	3.2	10 ⁵
	N50	-	83±13	0.3	4.8	10 ⁵
	N100	-	134±15	0.3	5.0≤	10 ⁵
	T50	-	100±14	0.3	4.8	10 ⁵
SOMABLACK- C	12	HR	25±2	0.9	5.0≤	10 ⁴
	12	VD	22±2	3.6	5.0≤	10 ⁴
	25	VD2	33±2	3.6	5.0≤	10 ⁴
	25	VD	42±3	2.8	5.0≤	10 ⁴
	38	VD	55±3	2.5	5.0≤	10 ⁴
	50	VD	70±3	2.4	5.0≤	10 ⁴
	100	VD	118±5	3.6	5.0≤	10 ⁴
	125	VD	152±8	3.0	5.0≤	10 ⁴
	37	ED	37±2	1.0	5.0≤	10 ⁵

All numbers are representative values.

For more information regarding this and other products, please contact us directly.



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