

HB Semi-Conductive Properties

2015 - V1

1. Typical Electric Properties

Type		C-Type	I-Type	Remark
Surface resistance(Ω /sq)	Standard	$10^5 \sim 10^9$	$10^5 \sim 10^9$	ASTM D 257 (23°C, 50% R.H)
	Low humidity	$10^5 \sim 10^9$	$10^5 \sim 10^9$	4°C, 20% R.H. During 120hr
	High humidity	$10^5 \sim 10^9$	$10^5 \sim 10^9$	50°C, 90% R.H. During 120hr
Sonicator test		$10^5 \sim 10^9$	$10^5 \sim 10^9$	40°C, 4kHz During 90min.

2. C-Type VS. I-Type

Type	C-Type	I-Type
Electrical Durability	Good	Very Good
Molding Stability	Good	Very Good
Color	Black, Grey(Various color)	Black

※ Electrical durability means that the proper value of surface resistance can be achieved for a long time

※ The data indicated above are subject to change according to test condition and method.

※ We can supply optimized special grades besides above mentioned.

HB Anti Static Properties

2015 - V1

3. Typical Physical Properties

Expansion ratio		Unit	13.5	30	Remark
Density		g/L	66.7	30	ISO-845
Tensile Strength		kPa	850	400	ISO-1798
Brake Elongation		%	16	19	
Static Compression	WS25	kPa	400	115	ISO-844
	WS50	kPa	530	200	
Compression Set		%	16	17	ISO-1856C

4. Characteristics

Light Weight

Excellent for repeated use

Superior buffering properties

Stable surface resistance at any condition(Semi-permanent)

※ The data indicated above are subject to change according to test condition and method.

※ We can supply optimized special grades besides above mentioned.