

(Durostone)

Density: 1.85-2.05g/cm³

Color: Blue / Black / Grey

Material Data Sheet

Technical Data	Used for Common Process		
Grade	Common type NS-B1	ESD type NS-B2	ESD&Optical type NS-B3
Color	Blue	Black	Grey
Density(g/cm ³)	1.85-1.9	1.85-1.9	1.85-1.9
Flexural Strength(Mpa)	380	380	380
Water absorption	<0.18	<0.18	<0.18
Coefficient of Linear Expansion[30-250°C](106/K)	14	12	12
Thermal Conductivity(W/m*K)	0.25	0.25	0.25
Maximum Operating Temperature[10-20 second](°C)	360	360	360
Continuous Operating Temperature(°C)	280	280	280
Surface Resistivity(ohms)		105-109	105-109
Modulus of Elasticity(Mpa)	18000	18000	18000
Specific Heat Capacity(J/kg*K)	930	930	930
Barcol Hardness(Mpa)	80	80	80

Technical Data	Used for Lead-free Process		
Grade	Common type NS-B1	ESD type NS-B2	ESD&Optical type NS-B3
Color	Blue	Black	Grey
Density(g/cm ³)	2.0-2.05	2.0-2.05	2.0-2.05
Flexural Strength(Mpa)	480	480	480
Water absorption	<0.16	<0.16	<0.16
Coefficient of Linear Expansion[30-250°C](106/K)	14	12	12
Thermal Conductivity(W/m*K)	0.25	0.25	0.25
Maximum Operating Temperature[10-20 second](°C)	405	405	405
Continuous Operating Temperature(°C)	305	305	305
Surface Resistivity(ohms)		105-109	105-109
Modulus of Elasticity(Mpa)	18000	18000	18000
Specific Heat Capacity(J/kg*K)	930	930	930
Barcol Hardness(Mpa)	80	80	80

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The following information corresponds with our current knowledge and indicates our products and possible applications; We cannot give a legally binding guarantee of certain properties or the suitability for a specific application, Existing commercial patents must be observed.

A definitive quality guarantee is given in our general conditions of sales. Unless otherwise stated, these values represent averages taken from injection moulding samples, We reserve the right of technical alterations.