

STAREX VE-0860

Flame-retardant ABS material with the characteristic of high heat resistance that can be applied to battery case and adaptor

	Properties	Test condition	Method	Unit	Value
Flammability	Flammability	V-0	UL94	mm	1.5, 2.5-2.7
	Flammability	5VB	UL94	mm	2.5-2.7
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,16
	Melt Flow Index	200°C, 5kg	ISO 1133	g/10min	1,6
	Mold Shrinkage (MD)	Flow at 3.2mm(MD)	ISO 2577	%	0,40-0,49
	Mold Shrinkage (TD)	X-Flow at 3.2mm(TD)	ISO 2577	%	0,43-0,53
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	79
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	92
	Vicat Softening Temperature	B/50	ISO R 306	°C	97
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	49
	Tensile Strain at Break	50mm/min	ISO 527	%	9
	Tensile Modulus	50mm/min	ISO 527	MPa	2300
	Tensile Strength at Break	50mm/min	ISO 527	MPa	36
	Flexural Strength	2mm/min	ISO 178	MPa	78
	Flexural Modulus	2mm/min	ISO 178	MPa	2600
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m ²	18
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	18
	Rockwell Hardness	R-scale	ISO 2039-2	-	109