

Property	Test Condition	Test Method ISO	Units	Short carbon fiber reinforced ABS
				CF18%
				ASHT-18A
				>ABS-CF18<
<b>Physical property</b>				
Content of filler		-	wt%	18
Water Absorption	23°C×50%RH in water		%	-
Density	23°C	ISO1183	kg/m <sup>3</sup>	1140
<b>Mechanical property</b>				
Tensile strength	23°C	ISO527-1,2	MPa	126
Elongation at Break	23°C	ISO527-1,2	%	2
Flexural Strength	23°C	ISO178	MPa	187
Flexural Modulus	23°C	ISO178	GPa	14.5
Coefficient of friction	Vs S45C、1MPa、0.33m/s	Suzuki Method	-	-
Coefficient of friction	Vs SUS、1MPa、0.33m/s	Suzuki Method	-	-
Limit of PV	Vs S45C	Suzuki Method	Mpa · m/s	-
Limit of PV	Vs SUS	Suzuki Method	Mpa · m/s	-
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m <sup>2</sup>	5
<b>Heat property</b>				
Melting Point		DSC Method	°C	-
Coef of Linear Thermal Expansion		ISO11359-2	×10 <sup>-5</sup> /°C	-
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C	109
Flammability		UL94	rank/thickness m mt	HB
<b>Electrical property</b>				
Surface Resistivity		IEC 60093	Ω	10 <sup>2</sup> ~10 <sup>3</sup>
<b>Molding property</b>				
Melt Flow Rate	240°C/98N	ISO 1133	g/10min	4.4

These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

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