

Property	Test Condition	Test Method ISO	Units	Long carbon fiber reinforced A
				BS
				CF20%
				TLP5040
>ABS-CF20<				
<b>Physical property</b>				
Content of filler		-	wt%	20
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	150
Elongation at Break	23°C	ISO527-1,2	%	1.5
Flexural Strength	23°C	ISO178	MPa	190
Flexural Modulus	23°C	ISO178	GPa	15
Coefficient of friction	Vs S45C、1MPa、0.33m/s	Suzuki Method	-	-
Coefficient of friction	Vs SUS、1MPa、0.33m/s	Suzuki Method	-	-
Amount of wear	Vs S45C、1MPa、0.33m/s	Suzuki Method	mg/h	-
Amount of wear	Vs SUS、1MPa、0.33m/s	Suzuki Method	mg/h	-
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>	12
<b>Heat property</b>				
Melting Point		DSC Method	°C	-
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C	108
Flammability		UL94	rank/thickness m mt	HBEquivalent
<b>Electrical property</b>				
Volume Resistivity		IEC60093	Ω · m	10 <sup>-3</sup>
<b>Molding property</b>				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.1
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.1

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

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