Ecoblend S65 Black

- Industrial grade of PC/ABS alloy

- Material developed for automotive industry

- Grade characterized by good thermal property and good impact

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	260°C / 5 kg	ASTM D1238	g/10min	27
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	50
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	85
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2600
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	350
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	125
	Rockwell Hardness	23°C	ASTM D785	M-scale	115
	Elongation	50 mm/min	ASTM D638	%	30
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	122
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10^-5 K^-1	8
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	650
	UL 94 Rating	S=1.6 mm	UL 94	class	HB
	UL 94 Rating	S=3.2 mm	UL 94	class	HB
Electrical	Relative Permettivity	1 Mhz – dry	IEC 60250	-	2,9
	Dissipation Factor	1 Mhz – dry	IEC 60250	-	0,05
	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	25
	Surface Resistivity	dry	IEC 60093	Ω	10^15
	Volume Resistivity	dry	IEC 60093	Ω cm	10^15

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	Properties	Test condition	Method	Unit	Value
Various	Density		ASTM D792	g/cm³	1,12
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,2
	Moulding Shrinkage	parallel	-	%	0,5-0,8

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

Tekuma Kunststoff GmbH is not the manufacturer of a.m. product. The information return the result of the quality inspection. An assurance of certain properties and qualities for specify uses cannot be derived. We recommend additional tests with regard to the suitability ability. Guarantee occurs within the scope of our general terms of sale and terms of delievery.

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