

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 Permittivity	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



	Properties	Test condition	Method	Unit	Value
Various	Density		ASTM D792	g/cm ³	1,12
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,2
	Moulding Shrinkage	parallel	-	%	0,5-0,8

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