Niblend S65F UV Nero905

PC-ABS alloy characterized by good heat resistance, good flow, and easy processing. Grade for injection moulding, particularly indicated for automotive industry.

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	260°C / 5 kg	ASTM D1238	g/10min	20
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	50
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	80
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2300
	Rockwell Hardness	23°C	ASTM D785	M-scale	116
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	550
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	150
	Elongation	50 mm/min	ASTM D638	%	>50
	Tensile Modulus	50 mm/min	ASTM D638	MPa	2350
	Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C
Heat Distortion Temperature H.D.T		1.82 MPa	ASTM D648	°C	110
Coef. Dilatazione Termica Lineare		23/55 °C	ISO 11359-2	10^-5 K^-1	8
Glow Wire Temperature (G.W.T)		S=2.0 mm	IEC 695-2-12	°C	650
Flame Behaviour	UL 94 Rating	S=1.6 mm	UL 94	class	HB
	UL 94 Rating	S=3.2 mm	UL 94	class	HB
Electrical	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	25
	Relative Permettivity	1 Mhz = secco	IEC 60250	-	2,9
	Dissipation Factor	1 Mhz = secco	IEC 60250	-	0,05

	Properties	Test condition	Method	Unit	Value
	Surface Resistivity	secco	IEC 60093	Ω	10^15
	Volume Resistivity	secco	IEC 60093	Ω cm	10^15
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