Plastic Electrical Enclosure			THERMOPLASTICS PROPERTY CHART								
			Polycarbonate	Blends	Styrene-Polymers					PMMA	
			PC	ABS/PC	SB	SB	SAN	ABS	ABS	PMMA	Polyester reinforced
Application for the following product groups			RB, DT (transparent cover)	Plug Cases Bottom	Plug Cases Top	WideTec	Vario & Wallmount Boxes	Standard Cases	Robust Boxes	IR Transparent Applications	Uni-Resist
MECHANICAL PROPERTIES	Unit	Test Method									
Impact Resistance	KJ/m²	ISO 179; DIN 53 453	no fracture		20	no fracture	6	85	80	60	60
Notch Resistance	KJ/mm²	ISO 179; DIN 53 453	30	20	6	9		11	11	3	26
Ball Hardness	N/mm²	DIN 53 453	110	100	115	115	165	100	115	105	
Ball-thrust hardness test at 125º				fulfilled 2mm imprint							
THERMAL PROPERTIES	Unit	Test Method									
Heat distortion temperature	ºC	ISO75-A DIN 53 458	128	110	80	80	99	90	85	89	200
Application temperature	ºC		110	100	65	65	70	75	70	70	150
Cold Distortion Temperature	ºC		-150	-50	-40	-40	-40	-40	-40	-40	-60
UL combustibility test	Fire classified	UL-94	HB	V-O	V-2	HB		HB	HB	HB	V-O
ELECTRICAL PROPERTIES	Unit	Test Method									
Tracking Resistance KC/CTI	Stage	IEC 112	250	350	450	200	KB225	600	600	600	450
Specific volume resistivity	Ohm-cm	DIN 53 482; VDE 0303	1016	1016	5X1015	1016	1016	1015	1015	2X1014	109
RESISTANCE OF MATERIAL TO:	+ = constant o = conditionally constant - = inconstant										
Gasoline			-	-	-	-	-	0	0	+	+
Diesel Oil			0	0	-	-	0	+	+	+	+
Sea Water			+	+	+	+	+	+	+	+	+
Hydrochloric Acid, 10%			+	+	+	+	0	0	0	+	+
Weak alkaline solutions			-	-	+	+	+	+	+	+	+
Strong alkaline solutions			-	-	+	+	+	+	+	0	-
Atmospheric influences			+	+	0	0	0	0	0	0	+
Lactic acid			+	+	+	+	+	+	+	+	+
Acetone			-	-	-	-	-	-	-	-	-