

## Plastic Electrical Enclosure

## THERMOPLASTICS PROPERTY CHART

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
<b>MECHANICAL PROPERTIES</b>	Unit	Test Method									
Impact Resistance	KJ/m <sup>2</sup>	ISO 179; DIN 53 453	no fracture		20	no fracture	6	85	80	60	60
Notch Resistance	KJ/mm <sup>2</sup>	ISO 179; DIN 53 453	30	20	6	9		11	11	3	26
Ball Hardness	N/mm <sup>2</sup>	DIN 53 453	110	100	115	115	165	100	115	105	
Ball-thrust hardness test at 125°				fulfilled 2mm imprint							
<b>THERMAL PROPERTIES</b>	Unit	Test Method									
Heat distortion temperature	°C	ISO75-A DIN 53 458	128	110	80	80	99	90	85	89	200
Application temperature	°C		110	100	65	65	70	75	70	70	150
Cold Distortion Temperature	°C		-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
<b>ELECTRICAL PROPERTIES</b>	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