

## VIPLEX-A 45

PC/ABS medium thermal resistance, good flow and mechanical properties.

Properties	Test Method	Unit	Typical Value
<b>Physical</b>			
MFI	ISO 292	g/10'	17
Density (23°C)	ISO 1183	g/cm <sup>3</sup>	1,11-1,13
Water Absorption (24h/23°C)	ISO 62	%	0,2
Water Absorption at Saturation	ISO 62	%	0,6
Mould Shrinkage (Parallel)	ASTM D-955	%	0,4-0,7
Mould Shrinkage (Normal)	ASTM D-955	%	0,4-0,7
<b>Mechanical</b>			
Izod Notched Impact (+23 °C)	ISO 180	J/m	450
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	0
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	25
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	NB
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m <sup>2</sup>	>300
Tensile Modulus	ASTM D-638	N/mm <sup>2</sup>	2000
Elongation at Break	ASTM D-638	%	30
Tensile Break Strength	ASTM D-638	N/mm <sup>2</sup>	0
Tensile Yield Strength	ASTM D-638	N/mm <sup>2</sup>	46
<b>Thermal</b>			
Vicat Temperature (1kg)	ASTM D-1525	°C	125
Vicat Temperature (5kg)	ASTM D-1525	°C	114
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> )	ASTM D-648	°C	0
Heat Deflection Temperature (1,82 N/mm <sup>2</sup> )	ASTM D-648	°C	100
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	80
<b>Electrical</b>			
Volume Resistivity	ASTM D-257	Ohm cm	>10EXP(15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	550
Electric Strength (Thickness)	ASTM D-149	kV/mm	24
<b>Flammability</b>			
Flammability Rating	UL 94	-	HB (1,6 mm)
Glow Wire Test	60695-2-1 IEC	°C	650°@2 mm

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