


GRP Perforated Pressed Tray Product Data Sheet

Product Range	GRP Perforated Pressed Tray	<p>Image for reference only</p> 
Description	GRP Tray System	
Key Features	<ul style="list-style-type: none"> No corrosion Insulating Easy installation Self-extinguishing with zero Halogen Light and Robust Perforated to assist cable fixing Impact (Lengths) – IK10 (20 Joules) Impact (Fittings) – IK10 (20 Joules) 	
Dimensions	50x50mm to 400x80mm in 3m length	
Material(s)	<ul style="list-style-type: none"> Glass Reinforced Polyester (GRP) Standard colour RAL7032 	
Compliance / Standards(s)	<ul style="list-style-type: none"> CE & UKCA Marked Low Voltage Directive 2014/35/EU The Electrical Equipment (Safety) Regulations 2016 BS 7671:2018 Refer to sheet 2 for complete list 	
Packaging	Recyclable	

Properties	Standards references & Standards Designations	PRESS type resin R96	PULTRUSION type resin R6204	Units
Fire Behaviour				
Inflammability	IEC 695-2-1 Glow Wire test	960	960	°C
Inflammability	UL 94 Test for flammability of plastic materials	V0	V0	-
Flammability	NF P 92-507 Fire Behaviour of Building Materials	M3	M2	-
Spread of Flame	ASTM E84 Surface burning characteristics of building materials	35	35	Index FSI
Spread of Flame	BS 476 Part 7 Surface spread of flame test for materials	Class 2	Class 2	-
Fire Propagation	BS 476 Part 6 Fire Propagation test for materials	18,3	14,1	Index
Oxygen & Smoke Index	NF F 16-101 Fire Behaviour of materials for rolling stock	I2 (>32) F0 (<5;	I2 (>32) F0 (<20;	-
Smoke	BS 6853 App 52 Fire Precautions in the design and construction of rolling stock	10,47 / 11,23	17,34 / 18,74	Index
Oxygen Index	ASTM D 2863	> 35	-	%
Fire Protection Index	EMPA	5.3	5.3	Index
Fire Standard	DIN 4102	B2	B2	-
Fire Standard	IEC 332-3 Fire Resistance of Cable	Passed		
Mechanical Behaviour				
Breaking Point	NEMA FG1 Fibre glass cable ladder systems	N/A	A to C Class	-
Tensile Strength at Break Point	DIN 53455 / ISO 527	37	155	MPa
Modulus of Elasticity	DIN 53457 / ISO 527-4	5000< <7000	10000< <15000	MPa
Choc Resistance	DIN 53453	27 / IPxx7	80 / 25	kJ/m m ²
Heat Resistance	VSM 77116 Martens Point	-90	-200 / 80	°C
Accelerated Aging	ISO 4892-2 Mechanical UV Resistance	Excellent	Excellent	-
Degrees of Protection	NF EN 50102 Degrees of Protection against mechanical impact	IK10	IK09 – IK10	-
Electrical Behaviour				
Surface Resistivity	DIN 53482 / EN 50014	~10 ¹²	~10 ¹¹	Ω
Volume Resistivity	DIN 53482	~10 ¹³	~10 ¹²	Ωm
Breakage Voltage	IEC 243-1	> 15	> 15	kV/m m