

ADVANCED EXTRUDED VIVID PVC SHEET
PROPERTIES PHYSICAL DATA

	PROPERTY	TEST METHOD	UNITS	AVERAGE VALUE
Physical Characteristics	Density	ASTM D792	g/cm ³	1.4
	Rockwell Hardness	ASTM D785	R-SCALE	97R
Mechanical Properties	Tensile Strength at Yield	ASTM D638	MPa	50
	Tensile Strength at Break	ASTM D638	MPa	45
	Elongation at Yield	ASTM D638	%	3
	Elongation at Break	ASTM D638	%	>80
	Flexural Strength	ASTM D790	MPa	80
	Flexural Modulus	ASTM D790	MPa	2,700
	Tensile Modulus of Elasticity	ASTM D638	MPa	2,900
	Impact Falling Weight	ISO6603/1 E50	J	95
Thermal Properties	Heat Deflection Temperature	ASTM D648	°C	65-68
	Coefficient of Linear Thermal Expansion	ASTM D696	cm/cm°C	6.7 x 10 ⁻⁵
	Service Temperature		°C	-10 to +50
	Thermal Conductivity	ASTM C177	W/m K	0.15

CHEMICAL RESISTANT PROPERTIES

NAME OF CHEMICAL		NAME OF CHEMICAL	
Hydrochloric Acid 35%	V	Diesel Fuel	V
Sulphuric Acid	<80 V (>80 G)	Glycerine	V
Nitric Acid 60%	V	Chlorine Water 2%	V
Formic Acid	V	Chlorine Gas (wet & dry)	P
Lactic Acid 20%	V	Butane	P
Caustic Soda 50%	V	Kerosene	V
Ammonia Water	P	Gasoline	V
Sodium Disulphide	V	Bleaching Solution 12% Chlorine	V
Acetone	G	Oxygen	V
Ethyl Alcohol (pure)	V	Developing (Fixing Liquid for Photography)	V
Butyl Alcohol	V	Sea Water/Salt Water	V
Benzene	P	Allyl Alcohol	G
Ammonia Gas	P	Formaldehyde	G
Carbon Disulphide	P		
REMARKS	V	Denotes Safely applicable (absolutely corrosion resistant)	
	G	Denotes applicable (Low corrosion resistant)	
	P	Denotes inapplicable	

ADVANCED VIVID PVC

ADVANCED VIVID PVC is suitable for cladding in food preparation areas such as dairies, abattoirs, cafes, restaurants and bakeries. In chemical process industries, laboratories, clinics & hospitals.

Advanced VIVID PVC

This material is impact resistant to a wide variety of shocks, offering resistance to a wide range of chemicals including alkalis, acids, alcohols etc. as well as powerful resistance to salt air and aggressive industrial environment. Minimal water absorption means that steam cleaning to a maximum temperature of 60°C and power hosing will have no effect. The material has obtained a Fire rating "Class 1" BS 476 Part 7 1971 "Surface Spread of Flame".

Also: EN13501 B, s2-3,do. DIN 4102 B-1. ASTM E-84 Class A

This material should be cleaned by using warm soapy water, or stubborn stains and marks may be cleaned with proprietary milk cleaner such as Cif (Jif).

PVC Cream or Solvent cleaners are also available, if required.

