



4VIN® is the registered trade name for the easy flow Polyvinylchloride (PVC) compounds produced by 4PLAS.

Property	Condition	Unit	Standard	4VIN 1V40101 Easy flow Pb stabilised PVC. Suitable for external weatherable applications	4VIN 1V40301 Easy flow Ca/Zn stabilised PVC. Suitable for external weatherable applications	4VIN 1V40203 Easy flow Sn stabilised very high impact PVC	4VIN 1V50202 Easy flow Sn stabilised high impact PVC	4VIN 1V50201 Easy flow clear PVC. Suitable for high clarity applications
Mechanical								
Izod Impact, Notched	+23°C	KJ/m2	ISO 180/1A	9.0	7.2	59	47	8.6
Izod Impact, Notched	0°C	KJ/m2	ISO 180/1A	4.1	4.0	14.6	8.6	6.9
Izod Impact, Notched	-30°C	KJ/m2	ISO 180/1A	3.0	2.0	11.0	5.0	2.3
Tensile Modulus	+23°C	MPa	ISO 527	3300	3100	2600	2800	2750
Tensile Strain at Break	+23°C	%	ISO 527	50	37	40	44	38
Tensile Stress at Break	+23°C	MPa	ISO 527	45	46	32	30	31
Tensile Strain at Yield	+23°C	%	ISO 527	10	10	15	12	13
Tensile Stress at Yield	+23°C	MPa	ISO 527	47	39	48	43	30
Flexural Modulus	+23°C	MPa	ISO 178	2600	2700	2100	2300	2350
Flexural Strength	+23°C	MPa	ISO 178	60.1	58.2	52.0	53.4	54.9
Thermal								
Vicat Softening Temperature	50N	°C	ISO 306	75	75	71	71	68
Electrical & Flammability								
Flame Rating	1.6mm	Class	UL94	V-0	V-0	V-0	V-0	V-0
Flame Rating	3.2mm	Class	UL94	V-0	V-0	V-0	V-0	V-0
Physical								
Melt Flow Rate	230°C	g/10mins	ISO 1133	41	42	36	54	51
Specific Gravity		g/cm 3	ISO 1183	1.46	1.42	1.35	1.37	1.30
Mould Shrinkage	Parallel	%	ISO 2557	0.3 – 0.5	0.3 - 0.5	0.1 - 0.3	0.3 - 0.5	0.3 - 0.5

NOTE: The above given properties are based on our general experience and are given in good faith, however due to the many factors which are outside of our knowledge and control which effect the use of the products, no warranty is given, nor implied with respect of such information. This data is for reference purposes only and should not be used alone as the basis for product design or to create specification limits. It is therefore strongly recommended that users test the product under their processing conditions to determine the suitability for any required application and or use.