



ChangZhou Yi Yi International Trading Co., Ltd.

PVC 1V50201

Product description

Material designation	>PVC-V0<
Colour	Natural colour
Material properties	Flame retardant, heat stabilizer, transparency
Material shape	Granular
Processing method	Injection molding

Physical property	Condition	Test standard	Data	unit
Density		ISO 1183	1.30	g/cm ³
Mold shrinkage	MD2.0mm	ISO 294-4	0.40	%
Melt flow index	°CKg	ISO 1133	51.00	g/10min

Mechanical properties	Condition	Test standard	Data	unit
Tensile strength	23°C	ISO 527-2	30	MPa
Elongation at break	23°C	ISO 527-2	38	%
Tensile modulus	23°C	ISO 527-2	2750	MPa
Tensile modulus	23°C	ISO 178	54.9	MPa
Flexural modulus	23°C	ISO 178	2350	MPa
Notched izod impact strength	23°C	ISO 180/1A	8.6	kJ/m ²
Notched izod impact strength	-30°C	ISO 180/1A	2.3	kJ/m ²

Thermal	Condition	Test standard	Data	unit
Vst		ISO 306/B50	68	°C

Electrical properties	Condition	Test standard	Data	unit
Comparative Tracking Index		IEC 60112	225	V

Flammability	Condition	Test standard	Data	unit
Fire protection grade		UL-94	1.60 mm	V-0
Fire protection grade		UL-94	3.20 mm	V-0

Injection molding condition	Condition	Recommended value	unit
Injection temperature range	Rear of screw	160-180	°C
Injection temperature range	Middle of spiral tube	160-180	°C
Injection temperature range	Spiral tube front	160-180	°C
Mold temperature range		30-50	°C