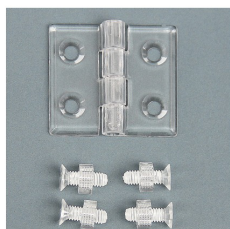
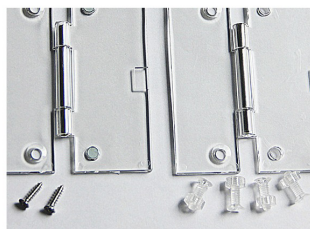


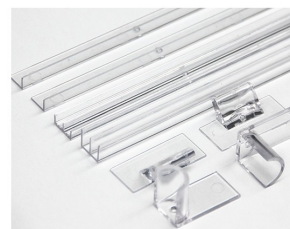
Product Datasheet - Acrylic / Polycarbonate Cabinet & Display Hardware Kits



Acrylic-pin hinge kit



Stainless-steel-pin hinge kit



Sliding door fittings

Acrylic and polycarbonate hardware for display cases, small cabinets, acrylic boxes, models and similar light-duty assemblies. The range includes hinges, catches, bolts, handles and sliding-door fittings. Dimensions, pack quantity, pin type and fixing method vary by item and are shown in the individual product listing or drawing.

Range overview

Product type	Options within the range
Folding hinges	Clear or coloured; acrylic-pin or stainless-steel-pin versions; screw-fixed or self-adhesive, depending on the kit.
Spring hinges	Self-closing hinge sets; acrylic or stainless-steel pins depending on the design.
Magnetic hinges	Hinge sets with magnetic retention; screw-fixed versions are available on selected items.
Catches & bolts	Barrel bolts, slide bolts, snap catches and hasp-type fittings.
Knobs & pulls	Knobs, handles and folding finger pulls for cabinet and display use.
Sliding door fittings	Tracks and retractable / push-in fittings for small doors and display panels. Door panels are not supplied unless stated.

Materials & mounting

Part	Typical construction
Hinge / fitting body	Acrylic (PMMA) or polycarbonate (PC), as stated for the individual item. Clear and coloured versions are included in the range.
Pins	Acrylic or stainless steel, depending on the hinge design.
Springs / magnets	Used only on the relevant spring-return or magnetic hinge types.
Fixings	Screws are included only where shown in the kit contents; screw type and material depend on the item.
Self-adhesive versions	Adhesive may be pre-applied or supplied separately with the kit.
Mounting	Screw-fixed or self-adhesive, depending on the product.

Material properties - PMMA (Acrylic) (typical)

Typical reference values for common unfilled PMMA grades. Actual values vary with grade, colour and processing.

Property	Test method	Typical value	Unit
Density	ISO 1183	1.18-1.20	g/cm ³
HDT (1.8 MPa)	ISO 75	95-105	°C
Tensile strength (23 °C)	ISO 527	65-77	MPa
Tensile modulus (23 °C)	ISO 527	3.0-3.3	GPa
Charpy impact, notched	ISO 179	1.5-3.5	kJ/m ²
Water absorption (24 h)	ISO 62	0.2-0.3	%
Dielectric strength	IEC 60243	20-30	kV/mm

Material properties - PC (Polycarbonate) (typical)

Typical reference values for common unfilled PC grades. Actual values vary with grade, thickness and processing.

Property	Test method	Typical value	Unit
Density	ISO 1183	1.19-1.21	g/cm ³
Glass transition temperature (Tg)	ISO 11357	144-147	°C
HDT (1.8 MPa)	ISO 75	120-125	°C
Tensile strength (23 °C)	ISO 527	60-70	MPa
Tensile modulus (23 °C)	ISO 527	2.3-2.6	GPa
Thermal conductivity (23 °C)	ISO 8302 / typical	0.20-0.22	W/(m·K)
Dielectric strength	IEC 60243	15-34	kV/mm

Fitting & care

- Check the item information. Use the dimensions, pack contents, pin type and mounting method shown for the kit being fitted.
- Screw-fixed parts. Tighten only until secure. Over-tightening can crack acrylic parts or damage plastic threads.
- Self-adhesive parts. Apply to a clean, dry and grease-free surface. Press firmly over the full bonding area; bond strength develops after application.
- Cleaning. Use mild soap and water on acrylic parts. Strong solvents can cause crazing or cracking in PMMA.
- Load. Capacity depends on component size, mounting method and substrate. Use an item-specific load rating where one is stated.
- Outdoor use. Suitability depends on the complete assembly, including pins, springs, magnets, fixings and adhesive, not only the clear polymer body.

Notes

Material values are typical reference data, not guaranteed values for an assembled kit. Service temperature and flammability depend on the exact material grade and thickness. Where these properties are critical, use the item-specific material information.