

PVC

Product Information



PVC (Polyvinyl Chloride) is the largest polymer in the vinyl group and the most versatile of the thermoplastics. Its wide range of properties and self-extinguishing characteristics make PVC unique among plastics.

Beneficial Properties

PVC is a non-corrosive, chemical resistant, oil resistant material which is impervious to water. It has excellent electrical insulating properties and is suitable for most types of processing : Cutting, shaping, drilling and bending. PVC will not generally support combustion and because it is a thermoplastic, its optimum use temperature range is between -10°C and 60°C. The material's specific gravity is between 1.38 and 1.47.

Grades of PVC

PVC-CAW

(Normal impact resistance)

CAW is a standard impact-resistant rigid PVC. Because of its strength, the material offers high processing reliability. It is resistant to light and weather, can be deep-drawn and is classified as a low flammability material (DIN 4102 B2). PVC-CAW sheet masked with polyethylene (PE) film is also available.

PVC-GLAS

(Normal impact resistance, transparent)

GLAS is a standard, transparent, shockproof rigid PVC based on DIN 16927, Sheet I. It has excellent rigidity and dimensional stability and is highly translucent (light transmission up to 89% depending on thickness) making it ideal for use in installations where it is necessary to monitor the cycle in progress, e.g. in general and chemical engineering. Generally not suitable for outdoor application. Available in a range of grades.

Special Types

(available on request)

PVC-MZ

(High impact resistance) MZ has increased impact toughness, is flame retardant and can be deepdrawn. It is stabilised in such a way as to give it high resistance to light and weather, making it ideal for outdoor applications.

PVC-EL

(High electrical conductivity) Prevents dangerous disturbances, such as spark discharges and electrical shocks, when PVC parts are rubbed. Can be used for packing, storage and transport containers for circuit boards.

CPVC

(Chlorinated PVC) Compared to conventional rigid PVC, CPVC withstands temperatures 20°C to 30°C higher, is stronger and more chemical resistant.

Applications of PVC

Chemical Industry Equipment

Fume exhaust fans
Fume ducting and cupboards
Tanks and Tank liners
Flanges and Valves

Synthetic Fibre Industry

Spinning acid baths
Bleaching tanks
Splash shelters

Electroplating Industry

Rinse tanks
Plating tanks

Laboratory Equipment

Sinks
Bench runners
Bottle troughs



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