

Flexible PVC, also known as Flexible Polyvinyl Chloride or FPVC, is a type of PVC that has been modified to have increased flexibility and pliability. It retains many of the properties of rigid PVC, such as chemical resistance and durability, but with added flexibility. Flexible PVC is commonly used in applications that require bendability, such as hoses, tubing, electrical insulation, gaskets, and flexible packaging.

Chemical Description

Description	Value
Material Type	Amorphous Thermoplastic
Chemical Name	FPVC Flexible Polyvinyl Chloride
Additives	Unfilled
Color	Transparent
UV Resistant	No

Physical Properties

Property	Maximum Unless Range is Specified
Specific Gravity	1.16

Mechanical Properties

Property	Maximum Unless Range is Specified
Tensile Strength,ksi	1.23
Tensile Modulus,ksi	0.427
Elongation at Break	490%
Hardness Shore A	48

The material properties in this datasheet are provided by one of the manufacturers collaborating with Naxtry. Please note that material properties may slightly vary among different manufacturers. Naxtry can accommodate customer requests for specific materials or brands.