

Westlake Plastics Corzan® II CPVC Sheet

Category : Polymer , Thermoplastic , Vinyl (PVC) , Chlorinated PVC (CPVC)

Material Notes:

Corzan® II CPVC, manufactured from Corzan G2 resin, was developed for use in the construction of wet benches and other cleanroom equipment for the semiconductor industry. It meets Factory Mutual Standard for flame spread, smoke development, and corrosion resistance. The advantages of Corzan II sheet material are its excellent balance of properties related to strength, weldability, and chemical resistance, as well as outstanding performance in flame and smoke. It is easy to fabricate and use. It has excellent mechanical strength and provided resistance to most semiconductor chemistries, including both strong and weak acids and bases, salts, and aliphatic hydrocarbons. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Corzan-II-CPVC-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	48.4 MPa	7020 psi	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638
Flexural Strength	80.7 MPa	11700 psi	ASTM D790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.9 °C	174 °F	ASTM D648
Flammability, UL94	V-0	V-0	
Oxygen Index	56 %	56 %	ASTM D2863

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