

# CHARTER INDUSTRIES

## PVC EDGEBANDING

### SPECIFICATION INFORMATION

#### 1. PRODUCT IDENTIFICATION

Decorative edging.

#### 2. MANUFACTURER

Charter Industries

#### 3. PRODUCT DESCRIPTION

It is available in different thicknesses and widths and supplied to match any woodgrains or solid colors. Charter edging adds that neat, solid, smooth look to shelves, cabinets, tables, partitions, paneling or other casegoods. It has a look of permanence and quality, durability, ideal for institutional and office furniture markets.

#### Limitations:

Charter edging is not formulated for exterior use and **cannot be exposed to an ambient temperature higher than 150°F.**

#### Composition and Materials:

PVC edging is manufactured by an extrusion or calendaring process.

- a. For continuous edgebanding process: It is supplied with primer treatment on the back side for bonding to particleboard or MDF panels, using hot melt adhesives.
- b. For hot-air edgebanding process: It is supplied with a coat of hot melt adhesive (preglued) on the back side.
- c. For Peel and Stick: Supplied with a pressure sensitive adhesive on the back side. Recommended for decorative applications.

#### Specifications:

##### Color:

Slight color variations are possible. Color must be evaluated visually, using standard lighting as originally used to develop the color (ASTM D1729).

##### Finish:

Must be smooth and without visual defect. Visual defects are evaluated by holding and observing the edgebanding at a distance of 3 feet from the observer.

##### Primer:

Is applied and covers 100% of the underside surface. The presence of primer can be visually verified.

##### Gloss:

Is measured using a 60° angle glossmeter (ASTM D 523-89). TL: 13° +/- 6° TW: 35° +/- 5° TM: 25° +/- 5° TG: 60° to 90°

##### Exceptions:

- a. for textured edgebanding (emb. 7 and 8), gloss level is visually evaluated using the standard, because the texture affects the gloss measurement.

b. the gloss of non U.V. top coated edgebanding cannot be controlled. Therefore, it is not possible to establish gloss specifications.

**Width:**

+/- 0.025 inch

**Thickness:**

Below 0.100 inch thickness:

+/- 10% of the nominal thickness

For 3mm (0.118") product:

Minimum: 0.106 inch

Maximum: 0.125 inch

For 5mm (0.187") product:

Minimum: 0.175 inch

Maximum: 0.200 inch

**Impact resistance:**

Is verified using an impact tester Gardner IG-1115. Resistance must not be lower than 20 pounds per inch.

**Concavity for 3mm and 5mm:**

Top: +/- .004"

Underside: Minimum =.001"

Maximum=.010"

**Solvent resistance:**

No significant gloss reduction or print erasing must be observed after 10 double-rubs of M.I.B.K., applied with normal hand pressure and using a cleaning towel.

**Band straightness:**

Maximum camber: 0.25" on a 3 foot sample for 0.016" to 0.098" PVC edgebanding

Maximum camber:

0.15" on a 3 foot sample for 3mm and 5mm PVC edgebanding.

**4. GSA SPECIFICATIONS**

Charter edging meets the following purchase descriptions or others as specified by the GSA Furniture Commodity Center of the U.S. Federal Government, namely:

- Household Furniture FNE 85-346

- Wood Unitized FNE 82-245-A

**5. AVAILABLE FINISHES**

Upon request, we provide U.V. top coated materials with appropriate gloss finish.

**6. AVAILABLE SIZES**

Widths: 5/8" to 4" in increments of 1/16".

Thicknesses: .018", .020", .024", .030", .040",

.055", .069", .079", .098", .118", .187"

**7. MAINTENANCE**

To clean PVC surfaces, use ordinary soap and water with a clean cloth, sponge or soft paper towel.

#### **8. NORTH AMERICAN AVAILABILITY**

Charter edging is available from stocking distributors throughout the United States, Canada and Mexico, as well as direct from Charter Inc.

#### **9. TECHNICAL SERVICES**

For further information on Charter edging, contact Charter customer service: **1.800.538.9088**

#### **10. CHARACTERISTICS**

Durable, odorless, can be colored and printed, easy to work with, self-extinguishing, meets UL- 94-V-0 rating. Good abrasion resistance, good impact resistance.

#### **11. RESISTANCE TO CHEMICALS & SOLVENTS**

Rigid PVC is resistant to most diluted and concentrated acids, alkalies, as well as all salt solutions. It is also resistant to mineral oils, vegetable oils, paraffin oils, alcohols, aliphatic hydrocarbons and the higher fatty acids.

#### **12. FIRE AND EXPLOSION HAZARD DATA (ASTM D 1929)**

Rigid vinyl compound (i.e. no plasticizer) has a flash-ignition temperature of about 391°C (735°F) and a self-ignition temperature of about 454°C (850°F). By themselves, rigid vinyl compounds will not support combustion because they require a higher concentration of oxygen for burning than is present in the earth's atmosphere.

#### **SPECIAL NOTE:**

Vinyl chloride and polyvinyl chloride (PVC) are not the same material. Vinyl chloride is a flammable gas that is strictly regulated by DOT, EPA and OSHA. Through a chemical reaction, this gas – known as a monomer – is converted to a non-hazardous white granular powder called polyvinyl chloride resin, PVC or simply, vinyl. It is vinyl resin that is then combined with functional adhesives to make compound. Vinyl resin is not a cancer suspect agent. Moreover, the reaction is not reversible. That is, thermal processing or decomposition will not cause polyvinyl chloride to revert back to vinyl chloride monomer.

#### **CLEAN AIR ACT OF 1990, SECTION 611**

Charter does not utilize ozone depleting substances in any of our products or in their manufacture, as defined by the Clean Air Act of 1990, Section 611.

#### **WARRANTY**

The information herein and all our literature is to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials.