

VH0800D is specially formulated with flame retardant chemicals to have the self-extinguish ability making it much safer for the use in the electrical & electronics applications with the most widely accepted fire safety standards.

**Features:** VH0800D has excellent balance of mechanical properties and process ability.

**Processing Method:** extrusion

**Application:** TV Monitor, Wiring devices

#### Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	5.8
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%)	Kj/m <sup>2</sup>	ASTM D-256	15.5
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	85
BULK DENSITY	Kg/m <sup>3</sup>	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm <sup>2</sup>	ASTM D-638	400
TENSILE STRENGTH AT BREAK	Kgf/cm <sup>2</sup>	ASTM D-638	320
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	30
FLEXURAL STRENGTH AT YIELD	Kgf/cm <sup>2</sup>	ASTM D-790	500
FLEXURAL MODULUS	Kgf/cm <sup>2</sup>	ASTM D-790	26000
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	72
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	99 R SCALE
FLAMMABILITY	-	UL94	V0
SHRINKAGE	%	ASTM D-955	0.50

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**Note:** Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.