

**FRCV100**

PA66-MX10

Cheng Yu Plastic Company Ltd.

| <b>Processing/Physical Characteristics</b> | <b>Value</b>  | <b>Unit</b> | <b>Test Standard</b> |
|--|---------------|-------------|----------------------|
| <b>ASTM Data</b>                           |               |             |                      |
| Mold Shrinkage, MD                         | <b>0.0127</b> | mm/mm       | ASTM D 955           |

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Tensile Strength             | <b>80</b>    | MPa         | ASTM D 638           |
| Flexural Strength            | <b>120</b>   | MPa         | ASTM D 790           |
| Rockwell Hardness            | <b>M 90</b>  | -           | ASTM D 785           |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| UL 94 Flame rating        | <b>V-0</b>   | -           | UL 94                |
| Thickness tested          | <b>1.5</b>   | mm          | -                    |

| <b>Electrical properties</b> | <b>Value</b>    | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|-----------------|-------------|----------------------|
| <b>ASTM Data</b>             |                 |             |                      |
| Dielectric Constant, 60 Hz   | <b>3.5</b>      | -           | ASTM D 150           |
| Surface Resistivity          | <b>&gt;1E15</b> | Ohm         | ASTM D 257           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1300</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Special Characteristics**

Flame retardant

**Regional Availability**

Asia Pacific