

## Lucky CF-920 Acrylic

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded

**Material Notes:**

May be UV stabilized. General Lucky PMMA qualities: Transparent/elegant appearance, high heat and weather resistance, excellent chemical resistance and coloring capability.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucky-CF-920-Acrylic.php](http://www.lookpolymers.com/polymer_Lucky-CF-920-Acrylic.php)

| Physical Properties   | Metric                | English                   | Comments     |
|-----------------------|-----------------------|---------------------------|--------------|
| Density               | 1.18 g/cc             | 0.0426 lb/in <sup>3</sup> | ASTM D792    |
| Linear Mold Shrinkage | 0.0020 - 0.0060 cm/cm | 0.0020 - 0.0060 in/in     | ASTM D955-51 |
| Melt Flow             | 1.6 g/10 min          | 1.6 g/10 min              | ASTM D1238   |

| Mechanical Properties      | Metric   | English   | Comments  |
|----------------------------|----------|-----------|-----------|
| Hardness, Rockwell M       | 89       | 89        | ASTM D785 |
| Tensile Strength, Ultimate | 73.0 MPa | 10600 psi | ASTM D638 |
| Elongation at Break        | 3.0 %    | 3.0 %     | ASTM D638 |
| Flexural Yield Strength    | 130 MPa  | 18900 psi | ASTM D790 |
| Flexural Modulus           | 3.30 GPa | 479 ksi   | ASTM D790 |

| Thermal Properties               | Metric   | English | Comments                                      |
|----------------------------------|----------|---------|---|
| Maximum Service Temperature, Air | 96.0 Â°C | 205 Â°F | Heat Distortion Temp                          |
|                                  | 96.0 Â°C | 205 Â°F | Deflection Temp; Load not reported; ASTM D648 |
| Vicat Softening Point            | 100 Â°C  | 212 Â°F | ASTM D1525                                    |

| Optical Properties    | Metric | English | Comments   |
|-----------------------|--------|---------|------------|
| Refractive Index      | 1.49   | 1.49    | ASTM D542  |
| Transmission, Visible | 92 %   | 92 %    | ASTM D1003 |

| Electrical Properties | Metric     | English   | Comments  |
|-----------------------|------------|-----------|-----------|
| Dielectric Strength   | 20.0 kV/mm | 508 kV/in | ASTM D149 |

## **Contact Songhan Plastic Technology Co.,Ltd.**

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