

## ColorFast® ABS0220F

Americhem - Acrylonitrile Butadiene Styrene

### General Information

#### Product Description

Moderate specific gravity , Iron powder filled ABS

#### General

|                   |                                              |                                                 |                 |
|-------------------|----------------------------------------------|-------------------------------------------------|-----------------|
| Material Status   | • Commercial: Active                         |                                                 |                 |
| Availability      | • Africa & Middle East<br>• Asia Pacific     | • Europe<br>• Latin America                     | • North America |
| Features          | • Excellent Colorability                     | • Food Contact Acceptable                       |                 |
| Uses              | • Consumer Applications<br>• Household Goods | • Industrial Applications<br>• Industrial Parts |                 |
| Agency Ratings    | • FDA                                        |                                                 |                 |
| UL File Number    | • E178307                                    |                                                 |                 |
| Forms             | • Pellets                                    |                                                 |                 |
| Processing Method | • Injection Molding                          |                                                 |                 |

### Properties <sup>1</sup>

| Physical                       | Nominal Value | Unit                  | Test Method |
|--------------------------------|---------------|-----------------------|-------------|
| Density                        | 2.20          | g/cm <sup>3</sup>     | ISO 1183    |
| Mechanical                     | Nominal Value | Unit                  | Test Method |
| Tensile Modulus                | 3600          | psi                   | ISO 527-1   |
| Tensile Stress (Break)         | 28.0          | psi                   | ISO 527-2   |
| Tensile Strain (Break)         | 2.0 to 4.0    | %                     | ISO 527-2   |
| Impact                         | Nominal Value | Unit                  | Test Method |
| Charpy Notched Impact Strength | 5.0           | ft·lb/in <sup>2</sup> | ISO 179     |

### Processing Information

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 185           | °F   |
| Drying Time            | 2.0 to 4.0    | hr   |
| Processing (Melt) Temp | 480 to 527    | °F   |
| Mold Temperature       | 131 to 160    | °F   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

