

## ColorFast® PA12-2000

Americhem - Polyamide 12

### General Information

#### Product Description

Transparent nylon 12, for cast film, film extrusion or injection molding

#### General

|                   |                                                              |                                                              |                                              |
|-------------------|--------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|
| Material Status   | • Commercial: Active                                         |                                                              |                                              |
| Availability      | • Africa & Middle East<br>• Asia Pacific                     | • Europe<br>• Latin America                                  | • North America                              |
| Features          | • Excellent Colorability                                     |                                                              |                                              |
| Uses              | • Closures<br>• Consumer Applications<br>• Engineering Parts | • Household Goods<br>• Housings<br>• Industrial Applications | • Industrial Parts<br>• Outdoor Applications |
| Forms             | • Pellets                                                    |                                                              |                                              |
| Processing Method | • Injection Molding                                          |                                                              |                                              |

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

| Physical                                                | Nominal Value | Unit              | Test Method |
|---------------------------------------------------------|---------------|-------------------|-------------|
| Density                                                 | 1.00          | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                       | 0.80          | %                 | ISO 294-4   |
| Mechanical                                              | Nominal Value | Unit              | Test Method |
| Tensile Stress (Yield)                                  | 6530          | psi               | ISO 527-2   |
| Tensile Stress (Break)                                  | 7250          | psi               | ISO 527-2   |
| Tensile Strain (Yield)                                  | 5.0           | %                 | ISO 527-2   |
| Hardness                                                | Nominal Value | Unit              | Test Method |
| Shore Hardness (Shore D)                                | 70            |                   | ISO 868     |
| Thermal                                                 | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 122           | °F                | ISO 75-2/A  |

### Notes

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

