

# TECHNO ABS F1350(D4)

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS F1350(D4) is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good UV Resistance
- Heat Resistant

| General Information                                |                        |                   |             |
|----------------------------------------------------|------------------------|-------------------|-------------|
| Additive                                           | Flame Retardant        |                   |             |
| Features                                           | Flame Retardant        |                   |             |
|                                                    | Good Thermal Stability |                   |             |
|                                                    | Good UV Resistance     |                   |             |
| UL File Number                                     | E54297                 |                   |             |
| Processing Method                                  | Injection Molding      |                   |             |
| Physical                                           | Nominal Value          | Unit              | Test Method |
| Density                                            | 1.09                   | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)          | 23                     | g/10 min          | ISO 1133    |
| Molding Shrinkage                                  | 0.40 to 0.60           | %                 | ISO 294-4   |
| Hardness                                           | Nominal Value          | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                        | 112                    |                   | ISO 2039-2  |
| Mechanical                                         | Nominal Value          | Unit              | Test Method |
| Tensile Stress (Yield)                             | 50.0                   | MPa               | ISO 527-2   |
| Flexural Modulus                                   | 2660                   | MPa               | ISO 178     |
| Flexural Stress                                    | 79.0                   | MPa               | ISO 178     |
| Impact                                             | Nominal Value          | Unit              | Test Method |
| Charpy Notched Impact Strength                     | 13                     | kJ/m <sup>2</sup> | ISO 179     |
| Thermal                                            | Nominal Value          | Unit              | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 82.0                   | °C                | ISO 75-2/B  |
| Flammability                                       | Nominal Value          |                   | Test Method |
| Flame Rating (1.10 mm, ALL)                        | V-2                    |                   | UL 94       |
| Injection                                          | Nominal Value          | Unit              |             |
| Drying Temperature                                 | 75.0 to 85.0           | °C                |             |
| Drying Time                                        | 2.0 to 5.0             | hr                |             |
| Rear Temperature                                   | 180 to 230             | °C                |             |
| Middle Temperature                                 | 180 to 230             | °C                |             |

|                   |              |    |
|-------------------|--------------|----|
| Front Temperature | 180 to 230   | °C |
| Mold Temperature  | 40.0 to 80.0 | °C |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

