

## UL Certification

|                |       |         |
|----------------|-------|---------|
| <b>starex®</b> | Grade | SD-0150 |
|----------------|-------|---------|

iq.ul.com

Component - Plastics [\[guide info\]](#)

E115797

**Lotte Advanced Materials Co Ltd**

56 Gosan-ro, Uiwang-si Gyeonggi-do 437-711 KR

### SD-0150(+)

Acrylonitrile Butadiene Styrene (ABS), "STAREX", furnished as pellets

| Color | Min Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|-------------|------------|------------|
| ALL   | 1.0             | HB             | -   | -   | 60          | 60         | 60         |
|       | 1.5             | HB             | 5   | 0   | 60          | 60         | 60         |
|       | 3.0             | HB             | 4   | 0   | 60          | 60         | 60         |
|       | 6.0             | HB             | 4   | 0   | 60          | 60         | 60         |

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 18

High-Voltage Arc Tracking Rate (HVTR): 1

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT): -

Volume Resistivity (10<sup>8</sup> ohm-cm): 16

High Volt, Low Current Arc Resis (D495): 7

(+) - May be replaced by one, two, or three numbers and/or letter(s)

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1988-06-03

Last Revised: 2013-04-01

© 2016 UL LLC



### IEC and ISO Test Methods

| Test Name                      | Test Method     | Units             | Thk (mm) | Value      |
|--------------------------------|-----------------|-------------------|----------|------------|
| Flammability                   | IEC 60695-11-10 | Class (color)     | 1.0      | HB75 (ALL) |
|                                |                 |                   | 1.5      | HB75 (ALL) |
|                                |                 |                   | 3.0      | HB40 (ALL) |
|                                |                 |                   | 6.0      | HB40 (ALL) |
| Glow-Wire Flammability (GWFI)  | IEC 60695-2-12  | C                 | -        | -          |
| Glow-Wire Ignition (GWIT)      | IEC 60695-2-13  | C                 | -        | -          |
| IEC Comparative Tracking Index | IEC 60112       | Volts (Max)       | -        | -          |
| IEC Ball Pressure              | IEC 60695-10-2  | C                 | -        | -          |
| ISO Heat Deflection (1.80 MPa) | ISO 75-2        | C                 | -        | -          |
| ISO Tensile Strength           | ISO 527-2       | MPa               | -        | -          |
| ISO Flexural Strength          | ISO 178         | MPa               | -        | -          |
| ISO Tensile Impact             | ISO 8256        | kJ/m <sup>2</sup> | -        | -          |
| ISO Izod Impact                | ISO 180         | kJ/m <sup>2</sup> | -        | -          |
| ISO Charpy Impact              | ISO 179-2       | kJ/m <sup>2</sup> | -        | -          |