

Component – Plastics

E205256

# STAR PLASTICS, INC

West Virginia, United States



## MATERIAL DESIGNATION: PCABS(AA)e, PCABSFR9002, PCABSFR(g): ReStart PCABSFR6201

Product Description: Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), Furnished as Pellets

| Color | Min Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI IMP | RTI Str |
|-------|--------------|-------------|-----|-----|----------|---------|---------|
| ALL   | 0.80         | HB          | -   | -   | -        | -       | -       |
|       | 1.5          | V-0         | -   | -   | 60       | 60      | 60      |
|       | 3.0          | V-0, 5VA    | 2   | -   | 60       | 60      | 60      |

|  |   |  |   |
|--|---|--|---|
| Comparative Tracking Index (CTI):      | - | Inclined Plane Tracking (IPT):               | - |
| Dielectric Strength (kV/mm):           | - | Volume Resistivity (10 <sup>9</sup> ohm-cm): | - |
| High-Voltage Arc Tracking Rate (HVTR): | - | Surface Resistivity (10x ohms/square):       | - |
| Dimensional Stability (%):             | - | High Volt, Low Current Arc Resis (D495):     | - |

(AA) – Represents number 401-499 indicative of customer code.

(g) – Represents a four digit character code

NOTE -- Material designations may be followed by numbers and/or letters representing color and/or granulation and/or lubrication.

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 appliance, where the acceptability of the combination is determined by UL.

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## IEC AND ISO TEST METHODS

| Test Name                      | Test Method     | Units             | Thickness Tested (mm) | Value     |
|--------------------------------|-----------------|-------------------|-----------------------|-----------|
| Flammability                   | IEC 60695-11-10 | Class (color)     | 1.5, 3.0              | V-0 (ALL) |
|                                |                 |                   | 3.0                   | 5VA (ALL) |
| Glow-Wire Flammability (GWFI)  | IEC 60695-2-12  | C                 | -                     | -         |
| Glow-Wire Ignition (GWI)       | 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> | -                     | -         |

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# Navigating Custom Compounds