

# ALTECH® PC-HT A 1000/500

Polycarbonate  
ALBIS PLASTIC GmbH

Message:

ALTECH® PC-HT A 1000/500 is a Polycarbonate (PC) product. It is available in Asia Pacific, Europe, or North America.  
Characteristics include:  
REACH Compliant  
RoHS Compliant  
Heat Stabilizer

| General Information                               |                      |           |             |
|---------------------------------------------------|----------------------|-----------|-------------|
| Additive                                          | Heat Stabilizer      |           |             |
| Features                                          | Heat Stabilized      |           |             |
| Agency Ratings                                    | EC 1907/2006 (REACH) |           |             |
| RoHS Compliance                                   | RoHS Compliant       |           |             |
| Physical                                          | Nominal Value        | Unit      | Test Method |
| Density                                           | 1.17                 | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (330°C/2.16 kg)       | 17.0                 | cm³/10min | ISO 1133    |
| Mechanical                                        | Nominal Value        | Unit      | Test Method |
| Tensile Modulus                                   | 2500                 | MPa       | ISO 527-2   |
| Tensile Stress (Yield)                            | 70.0                 | MPa       | ISO 527-2   |
| Tensile Strain (Yield)                            | 7.0                  | %         | ISO 527-2   |
| Impact                                            | Nominal Value        | Unit      | Test Method |
| Charpy Notched Impact Strength                    | 12                   | kJ/m²     | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  | No Break             |           | ISO 179/1eU |
| Thermal                                           | Nominal Value        | Unit      | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 148                  | °C        | ISO 75-2/A  |
| Vicat Softening Temperature                       | 166                  | °C        | ISO 306/B50 |
| Injection                                         | Nominal Value        | Unit      |             |
| Drying Temperature                                |                      |           |             |
| Circulation Dryer                                 | 130                  | °C        |             |
| Desiccant Dryer                                   | 130                  | °C        |             |
| Drying Time                                       |                      |           |             |
| Circulation Dryer                                 | 4.0 to 12            | hr        |             |
| Desiccant Dryer                                   | 2.0 to 3.0           | hr        |             |
| Suggested Max Moisture                            | 0.020                | %         |             |
| Processing (Melt) Temp                            | 320 to 340           | °C        |             |
| Mold Temperature                                  | 100 to 130           | °C        |             |

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#### Recommended distributors for this material

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