

# ALTECH® ABS A 1000/710

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

## Message:

ALTECH® ABS A 1000/710 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

| General Information                         |                      |                        |             |
|---------------------------------------------|----------------------|------------------------|-------------|
| Agency Ratings                              | EC 1907/2006 (REACH) |                        |             |
| RoHS Compliance                             | RoHS Compliant       |                        |             |
| Processing Method                           | Injection Molding    |                        |             |
| Physical                                    | Nominal Value        | Unit                   | Test Method |
| Melt Volume-Flow Rate (MVR) (220°C/10.0 kg) | 18.0                 | cm <sup>3</sup> /10min | ISO 1133    |
| Mechanical                                  | Nominal Value        | Unit                   | Test Method |
| Tensile Modulus                             | 2000                 | MPa                    | ISO 527-2   |
| Tensile Strain (Break)                      | 4.0                  | %                      | ISO 527-2   |
| Flexural Modulus                            | 2400                 | MPa                    | ISO 178     |
| Flexural Stress                             | 75.0                 | MPa                    | ISO 178     |
| Elastomers                                  | Nominal Value        | Unit                   | Test Method |
| Tensile Stress (Yield)                      | 45.0                 | MPa                    | ISO 37      |
| Impact                                      | Nominal Value        | Unit                   | Test Method |
| Notched Izod Impact Strength (23°C)         | 25                   | kJ/m <sup>2</sup>      | ISO 180/1A  |
| Thermal                                     | Nominal Value        | Unit                   | Test Method |
| Vicat Softening Temperature                 | 100                  | °C                     | ISO 306/B50 |
| Injection                                   | Nominal Value        | Unit                   |             |
| Drying Temperature                          |                      |                        |             |
| Circulation Dryer                           | 80.0                 | °C                     |             |
| Desiccant Dryer                             | 80.0                 | °C                     |             |
| Drying Time                                 |                      |                        |             |
| Circulation Dryer                           | 3.0 to 6.0           | hr                     |             |
| Desiccant Dryer                             | 2.0 to 4.0           | hr                     |             |
| Processing (Melt) Temp                      | 220 to 260           | °C                     |             |
| Mold Temperature                            | 50.0 to 80.0         | °C                     |             |

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