

# Cellidor CP 430-13 AG

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

## Message:

Cellidor CP 430-13 AG is a Cellulose Acetate Propionate (CAP) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

Plasticized

Eco-Friendly/Green

| General Information                               |                            |           |             |
|---------------------------------------------------|----------------------------|-----------|-------------|
| Additive                                          | Plasticizer (13%)          |           |             |
| Features                                          | Non-Phthalate Plasticizer  |           |             |
|                                                   | Renewable Resource Content |           |             |
| Agency Ratings                                    | EC 1907/2006 (REACH)       |           |             |
| RoHS Compliance                                   | RoHS Compliant             |           |             |
| Physical                                          | Nominal Value              | Unit      | Test Method |
| Density                                           | 1.20                       | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)       | 10.0                       | cm³/10min | ISO 1133    |
| Hardness                                          | Nominal Value              | Unit      | Test Method |
| Ball Indentation Hardness (H 132/30)              | 56.0                       | MPa       | ISO 2039-1  |
| Mechanical                                        | Nominal Value              | Unit      | Test Method |
| Tensile Modulus                                   | 1500                       | MPa       | ISO 527-2   |
| Tensile Stress                                    |                            |           | ISO 527-2   |
| Yield                                             | 34.0                       | MPa       |             |
| Break                                             | 30.0                       | MPa       |             |
| Tensile Strain (Break)                            | 30                         | %         | ISO 527-2   |
| Flexural Stress (3.5% Strain)                     | 45.0                       | MPa       | ISO 178     |
| Impact                                            | Nominal Value              | Unit      | Test Method |
| Charpy Notched Impact Strength                    | 30                         | 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) | 82.0                       | °C        | ISO 75-2/A  |
| Vicat Softening Temperature                       | 86.0                       | °C        | ISO 306/B50 |
| Extrusion                                         | Nominal Value              | Unit      |             |
| Drying Temperature                                | 50.0 to 80.0               | °C        |             |
| Drying Time                                       | 2.0 to 4.0                 | hr        |             |
| Suggested Max Moisture                            | 0.050                      | %         |             |

|                  |              |    |
|------------------|--------------|----|
| Melt Temperature | 180 to 230   | °C |
| Die Temperature  | 40.0 to 80.0 | °C |

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