

# Cellidor CP 3406-08

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 3406-08 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

Warp Resistant

| General Information                         |                            |           |             |
|---------------------------------------------|----------------------------|-----------|-------------|
| Additive                                    | Plasticizer (8%)           |           |             |
| Features                                    | Low Warpage                |           |             |
|                                             | Non-Phthalate Plasticizer  |           |             |
|                                             | Renewable Resource Content |           |             |
| Agency Ratings                              | EC 1907/2006 (REACH)       |           |             |
| RoHS Compliance                             | RoHS Compliant             |           |             |
| Physical                                    | Nominal Value              | Unit      | Test Method |
| Density                                     | 1.21                       | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (210°C/2.16 kg) | 4.00                       | cm³/10min | ISO 1133    |
| Hardness                                    | Nominal Value              | Unit      | Test Method |
| Ball Indentation Hardness (H 132/30)        | 65.0                       | MPa       | ISO 2039-1  |
| Mechanical                                  | Nominal Value              | Unit      | Test Method |
| Tensile Modulus                             | 1800                       | MPa       | ISO 527-2   |
| Tensile Stress                              |                            |           | ISO 527-2   |
| Yield                                       | 43.0                       | MPa       |             |
| Break                                       | 40.0                       | MPa       |             |
| Tensile Strain (Break)                      | 25                         | %         | ISO 527-2   |
| Flexural Modulus                            | 1750                       | MPa       | ISO 178     |
| Flexural Stress (3.5% Strain)               | 55.0                       | MPa       | ISO 178     |
| Impact                                      | Nominal Value              | Unit      | Test Method |
| Charpy Notched Impact Strength              | 18                         | kJ/m²     | ISO 179/1eA |
| Charpy Unnotched Impact Strength            | No Break                   |           | ISO 179/1eU |
| Thermal                                     | Nominal Value              | Unit      | Test Method |
| Heat Deflection Temperature                 |                            |           |             |
| 0.45 MPa, Unannealed                        | 102                        | °C        | ISO 75-2/B  |
| 1.8 MPa, Unannealed                         | 96.0                       | °C        | ISO 75-2/A  |
| Vicat Softening Temperature                 | 100                        | °C        | ISO 306/B50 |

| Electrical             | Nominal Value | Unit    | Test Method |
|------------------------|---------------|---------|-------------|
| Surface Resistivity    | 1.0E+14       | ohms    | IEC 60093   |
| Volume Resistivity     | 1.0E+17       | ohms·cm | IEC 60093   |
| Extrusion              | Nominal Value | Unit    |             |
| Drying Temperature     | 60.0 to 90.0  | °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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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

