

# ALCOM® PC 740/36 FR UV CC1209-09LD

Polycarbonate  
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/36 FR UV CC1209-09LD is a Polycarbonate (PC) product filled with filler. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/36 FR UV CC1209-09LD include automotive, electrical/electronic applications and lighting applications.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Flame Retardant
- Halogen Free

| General Information                               |                                    |                        |             |
|---------------------------------------------------|------------------------------------|------------------------|-------------|
| Filler / Reinforcement                            | Filler                             |                        |             |
| Additive                                          | Flame Retardant                    |                        |             |
|                                                   | Processing Stabilizer              |                        |             |
|                                                   | UV Stabilizer                      |                        |             |
| Features                                          | Flame Retardant                    |                        |             |
|                                                   | Halogen Free                       |                        |             |
| Uses                                              | Automotive Applications            |                        |             |
|                                                   | Electrical/Electronic Applications |                        |             |
|                                                   | Lighting Applications              |                        |             |
| Agency Ratings                                    | EC 1907/2006 (REACH)               |                        |             |
| RoHS Compliance                                   | RoHS Compliant                     |                        |             |
| Processing Method                                 | Injection Molding                  |                        |             |
| Physical                                          | Nominal Value                      | Unit                   | Test Method |
| Density                                           | 1.20                               | g/cm <sup>3</sup>      | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)        | 12.0                               | cm <sup>3</sup> /10min | ISO 1133    |
| Mechanical                                        | Nominal Value                      | Unit                   | Test Method |
| Tensile Modulus                                   | 2400                               | MPa                    | ISO 527-2   |
| Tensile Stress                                    | 66.0                               | MPa                    | ISO 527-2   |
| Impact                                            | Nominal Value                      | Unit                   | Test Method |
| Charpy Notched Impact Strength                    | 11                                 | kJ/m <sup>2</sup>      | 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) | 127                                | °C                     | ISO 75-2/A  |

| Vicat Softening Temperature                    | 140           | °C   | ISO 306/B50    |
|------------------------------------------------|---------------|------|----------------|
| Flammability                                   | Nominal Value | Unit | Test Method    |
| Flame Rating                                   |               |      | UL 94          |
| 0.750 mm                                       | V-2           |      |                |
| 1.50 mm                                        | V-2           |      |                |
| 3.00 mm                                        | V-0           |      |                |
| Glow Wire Flammability Index                   |               |      | IEC 60695-2-12 |
| 1.00 mm                                        | 850           | °C   |                |
| 2.00 mm                                        | 850           | °C   |                |
| 3.00 mm                                        | 850           | °C   |                |
| 4.00 mm                                        | 850           | °C   |                |
| Optical                                        | Nominal Value | Unit | Test Method    |
| Transmittance <sup>1</sup> (Total, 4000 μm)    | 72.0          | %    | ISO 13468      |
| Haze <sup>2</sup> (4000 μm)                    | 95            | %    | ISO 13468      |
| Additional Information                         | Nominal Value | Unit |                |
| Half Power Angle - T(Y) <sup>3</sup> (4.00 mm) | 2.00          | °    |                |
| Injection                                      | Nominal Value | Unit |                |
| Drying Temperature                             |               |      |                |
| Circulation Dryer                              | 100 to 120    | °C   |                |
| Desiccant Dryer                                | 100 to 120    | °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                         | 270 to 310    | °C   |                |
| Mold Temperature                               | 80.0 to 110   | °C   |                |
| NOTE                                           |               |      |                |
| 1.                                             | A, 2°         |      |                |
| 2.                                             | III. A, 2°    |      |                |
| 3.                                             | A, 2°         |      |                |

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