

# ALCOM® PP 620/1 MR40 WT1060-12LB

Polypropylene  
ALBIS PLASTIC GmbH

Message:

ALCOM® PP 620/1 MR40 WT1060-12LB is a Polypropylene product filled with 40% filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PP 620/1 MR40 WT1060-12LB include automotive, lighting applications and reflectors. Characteristics include:  
REACH Compliant  
RoHS Compliant

| General Information                         |                             |           |             |
|---------------------------------------------|-----------------------------|-----------|-------------|
| Filler / Reinforcement                      | Filler,40% Filler by Weight |           |             |
| Features                                    | High Reflectivity           |           |             |
| Uses                                        | Automotive Applications     |           |             |
|                                             | Lighting Applications       |           |             |
|                                             | Reflectors                  |           |             |
| Agency Ratings                              | EC 1907/2006 (REACH)        |           |             |
| RoHS Compliance                             | RoHS Compliant              |           |             |
| Appearance                                  | Opaque                      |           |             |
| Physical                                    | Nominal Value               | Unit      | Test Method |
| Density                                     | 1.23                        | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 21.0                        | cm³/10min | ISO 1133    |
| Molding Shrinkage                           |                             |           | ISO 294-4   |
| Across Flow : 24 hr                         | 0.80                        | %         |             |
| Flow : 24 hr                                | 1.1                         | %         |             |
| Mechanical                                  | Nominal Value               | Unit      | Test Method |
| Tensile Modulus                             | 4750                        | MPa       | ISO 527-2   |
| Tensile Stress                              | 30.0                        | MPa       | ISO 527-2   |
| Tensile Strain (Break)                      | 2.4                         | %         | ISO 527-2   |
| Flexural Modulus                            | 5100                        | MPa       | ISO 178     |
| Flexural Stress                             | 54.0                        | MPa       | ISO 178     |
| Impact                                      | Nominal Value               | Unit      | Test Method |
| Charpy Notched Impact Strength              |                             |           | ISO 179/1eA |
| --                                          | 2.0                         | kJ/m²     |             |
| -40°C                                       | 2.0                         | kJ/m²     |             |
| Charpy Unnotched Impact Strength            |                             |           | ISO 179/1eU |
| --                                          | 20                          | kJ/m²     |             |
| -40°C                                       | 10                          | kJ/m²     |             |
| Thermal                                     | Nominal Value               | Unit      | Test Method |

|                                                   |               |      |             |
|---------------------------------------------------|---------------|------|-------------|
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 95.0          | °C   | ISO 75-2/A  |
| Vicat Softening Temperature                       | 100           | °C   | ISO 306/B50 |
| Additional Information                            | Nominal Value | Unit | Test Method |
| Tristimulus Value                                 |               |      |             |
| Y10 of Reflection                                 | 75            | %    | DIN 5033    |
| Y10 of Transmittance : 500.0 μm                   | 0.50          | %    | ISO 13468   |
| Injection                                         | Nominal Value | Unit |             |
| Drying Temperature                                | 80.0 to 100   | °C   |             |
| Drying Time                                       | 2.0 to 3.0    | hr   |             |
| Processing (Melt) Temp                            | 200 to 270    | °C   |             |
| Mold Temperature                                  | 20.0 to 90.0  | °C   |             |

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