

## ALCOM ASA/PC 540/5 UV GY81-714MCF

(Last update: 31.03.2020)

### MOCOM

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| Base Polymer           | Polycarbonate +Acrylonitrile Styrene Acrylate Blend                   |
| Filler/Additive System | UV stabilised                                                         |
| Colour                 | metallic                                                              |
| Special Features       | low tendency to flow lines                                            |
| Market Segment         | electrical and electronic,building and construction,sport and leisure |
| Typical Applications   | housings                                                              |

|                       |                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Drying Conditions | in a dry air (dessiccant) dryer 90-110 °C<br>for 2-4 h<br>in an air circulating dryer 90-110 °C<br>for 4-8 h<br>dependant on moisture content |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Processing Injection Moulding | melt temperature 260-300 °C<br>mould temperature 60-90 °C |
|-------------------------------|-----------------------------------------------------------|

|         |                           |
|---------|---------------------------|
| Storage | dry, protected from light |
|---------|---------------------------|

| Properties                             | Value     | Dimension              | Test Norm   |
|----------------------------------------|-----------|------------------------|-------------|
| <b>Mechanical Properties</b>           |           |                        |             |
| Flexural Modulus                       | 2600      | MPa                    | ISO 178     |
| Flexural Strength                      | 75        | MPa                    | ISO 178     |
| Tensile Modulus                        | 2450      | MPa                    | ISO 527     |
| Tensile Strength                       | 45        | MPa                    | ISO 527     |
| Tensile Elongation at Break            | 8         | %                      | ISO 527     |
| Impact Strength (Charpy, 23°C)         | 90        | kJ/m <sup>2</sup>      | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 20        | kJ/m <sup>2</sup>      | ISO 179/1eA |
| <b>Thermal Properties</b>              |           |                        |             |
| Vicat B50                              | 119       | °C                     | ISO 306     |
| HDT / A (1,8 MPa)                      | 105       | °C                     | ISO 75-1/-2 |
| <b>Rheological Properties</b>          |           |                        |             |
| Melt Index (MVR)                       | 18        | cm <sup>3</sup> /10min | ISO 1133    |
| MVR temperature                        | 260       | °C                     | -           |
| MVR load                               | 5         | kg                     | -           |
| Shrinkage (24h)                        | 0.4 - 0.7 | %                      | ISO 294-4   |
| <b>Physical Properties</b>             |           |                        |             |
| Density                                | 1190      | kg/m <sup>3</sup>      | ISO 1183    |
| <b>Flammability</b>                    |           |                        |             |
| Flammability (1.5 mm)                  | HB        | class                  | UL 94       |



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### Liability Exclusion

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