

# alphalon™ E 40 L

Polyamide 6  
Grupa Azoty ATT Polymers GmbH

Message:

alphalon™ E 40 L is a bright polyamide 6 grade of medium viscosity that is mainly suited for the production of films and monofilaments.

| General Information             |                                      |       |                 |
|---------------------------------|--------------------------------------|-------|-----------------|
| Additive                        | Lubricant                            |       |                 |
| Features                        | Food Contact Acceptable              |       |                 |
|                                 | Lubricated                           |       |                 |
|                                 | Medium Viscosity                     |       |                 |
| Uses                            | Film                                 |       |                 |
|                                 | Monofilaments                        |       |                 |
| Agency Ratings                  | BfR Food Contact, Unspecified Rating |       |                 |
|                                 | EEC 2002/72/EC                       |       |                 |
|                                 | FDA 21 CFR 177.1500(b)(6.1)          |       |                 |
| Forms                           | Pellets                              |       |                 |
| Physical                        | Nominal Value                        | Unit  | Test Method     |
| Density                         | 1.13                                 | g/cm³ | ISO 1183        |
| Viscosity Number <sup>1</sup>   | 215                                  | cm³/g | ISO 307         |
| Relative Viscosity <sup>2</sup> | 4.0 to 4.1                           |       | ISO 307         |
| Extractables                    | < 0.6                                | %     | Internal Method |
| Moisture Content                | < 0.050                              | %     | Internal Method |
| Particle Shape                  | cylindrical                          |       |                 |
| Particle Size                   | 2.50                                 | mm    |                 |
| Titanium Dioxide                | 0.0                                  | %     |                 |
| Thermal                         | Nominal Value                        | Unit  | Test Method     |
| Melting Temperature (DSC)       | 250                                  | °C    | ISO 3146        |
| NOTE                            |                                      |       |                 |
| 1.                              | 0.5% in 96% H2SO4                    |       |                 |
| 2.                              | 1% in 96% H2SO4                      |       |                 |

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