

# Greenflex® ML 21 F

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

## Message:

Greenflex ML 21 F is an ethylene vinyl acetate copolymer (EVA) for injection moulding applications and it is recommended when a good ESCR is required.

### Main Applications

Greenflex ML 21 F is suitable for the production of flexible items.

| General Information                       |  |          |                 |
|---|--|----------|-----------------|
| Features                                  | High ESCR (Stress Cracking Resistance) |          |                 |
|   | Copolymer                              |          |                 |
|   | Good flexibility                       |          |                 |
|   | Compliance of Food Exposure            |          |                 |
| Agency Ratings                            | European food contact, not rated       |          |                 |
| Forms                                     | Particle                               |          |                 |
| Processing Method                         | Injection molding                      |          |                 |
| Physical                                  | Nominal Value                          | Unit     | Test Method     |
| Density                                   | 0.925                                  | g/cm³    | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.5                                    | g/10 min | ISO 1133        |
| Vinyl Acetate Content                     | 6.0                                    | wt%      | Internal method |
| Hardness                                  | Nominal Value                          | Unit     | Test Method     |
| Durometer Hardness                        |  |          | ISO 868         |
| Shore A, Injection Molding                | 95                                     |          | ISO 868         |
| Shore D, Injection Molding                | 43                                     |          | ISO 868         |
| Mechanical                                | Nominal Value                          | Unit     | Test Method     |
| Tensile Stress (Yield, Injection Molded)  | 8.00                                   | MPa      | ISO 527-2       |
| Flexural Modulus (Injection Molded)       | 100                                    | MPa      | ISO 178         |
| Thermal                                   | Nominal Value                          | Unit     | Test Method     |
| Brittleness Temperature                   | < -80.0                                | °C       | ASTM D746       |
| Vicat Softening Temperature               | 78.0                                   | °C       | ISO 306/A       |
| Melting Temperature                       | 101                                    | °C       | Internal method |
| Injection                                 | Nominal Value                          | Unit     |                 |
| Processing (Melt) Temp                    | 150 - 210                              | °C       |                 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

# 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

