# Greenflex® ML 31

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

## Message:

Greenflex ML 31 is an ethylene vinyl acetate copolymer (EVA) for injection moulding applications and extrusion profile.
Main Application
Items produced with Greenflex ML 31 show good resistance to chemicals and good elasticity. Greenflex ML 31 is recommended for the production of gaskets, especially for items having food contact, profiles and flexible items.

| General Information | |
|---|---|
| Features | Copolymer |
| | Food Contact Acceptable |
| | Good Chemical Resistance |
| | Good Flexibility |
| | High Elasticity |
| Uses | Food Service Applications |
| | Gaskets |
| | Profiles |
| Agency Ratings | EU Food Contact, Unspecified Rating |
| Forms | Pellets |
| Processing Method | Injection Molding |
| | Profile Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 0.929 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.5 | g/10 min | ISO 1133 |
| Vinyl Acetate Content | 9.0 | wt% | Internal Method |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness | | | ISO 868 |
| Shore A, Injection Molded | 94 | | |
| Shore D, Injection Molded | 42 | | |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (Yield, Injection Molded) | 6.50 | MPa | ISO 527-2 |
| Flexural Modulus (Injection Molded) | 90.0 | MPa | ISO 178 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Brittleness Temperature | < -80.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 72.0 | °C | ISO 306/A |
| Melting Temperature | 98.0 | °C | Internal Method |

| Injection | Nominal Value | Unit |
|---|---|---|
| Processing (Melt) Temp | 150 to 210 | °C |



## 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