

INTEGRATE™ NE542013

Polyolefin

LyondellBasell Industries

Message:

Integrate products are chemically modified polyolefins used to combine dissimilar materials for a variety of applications including molded articles, flexible materials and fiber technology or to provide property enhancements which fulfill final material parameters. These products are particularly effective when the materials involved contain both polar and non-polar components. Specific ingredients may include polymers such as polyethylene and/or its copolymers, polypropylene and/or its copolymers, polyamides (nylon), polyacetates, cellulose, wood flour as well as a variety of minerals, which can be used to improve strength or stiffness of the final composition. Integrate products are available in pellet form. Contact your sales and/or Equistar technical service representative for more information and specific recommendations for your application(s).

| General Information | | | |
|---|-------------------|-------------------|-------------|
| Features | Good flexibility | | |
| Uses | Mixing | | |
| | Fiber | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.943 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 13 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus - 1% Secant | 552 | MPa | ASTM D638 |
| Tensile Strength (Break) | 15.3 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 650 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 106 | °C | ASTM D1525 |
| Additional Information | | | |
| A process melt temperature above 400°F (205°C) is recommended to ensure that adequate dispersion occurs among the components. More specific suggestions about a particular application can only be made when equipment, process parameters and conditions of use are known. | | | |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | > 205 | °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

