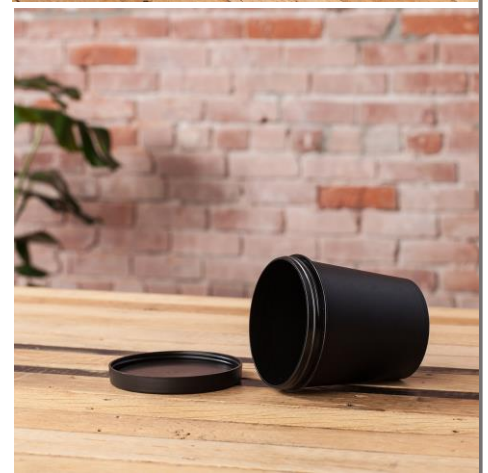


# Polysole<sup>®</sup> LV1250

## High Flow Injection Molding Material

Designed for rigid packaging and durable goods with high impact resistance, Polysole<sup>®</sup> LV1250 is a bio-based alternative to PP and HIPS. LV1250's optimized flow rate makes it an ideal candidate for thin wall injection molding applications.

- 🔸 **85% biobased**
- 🔸 **Excellent im pact resistance**
- 🔸 **High stiffness & strength**
- 🔸 **Recyclable**
- 🔸 **Compostable in industrial facilities**
- 🔸 **Optimized for thin wall applications**



### Typical Material Properties<sup>(\*)</sup>

| Physical Properties                         | Polysole <sup>®</sup> LV 1250 | ASTM Method |
|---|-------------------------------|-------------|
| Specific Gravity                            | 1.25                          | D792        |
| Melt Flow Index (190 °C, 2.16 kg), g/10 min | 30-38                         | D1238       |
| Clarity                                     | Opaque                        |             |
| Mechanical Properties                       |                               |             |
| Ultimate Tensile Strength, psi (MPa)        | 5 500 (38)                    | D638        |
| Tensile Elongation at yield, %              | 2                             | D638        |
| Flexural Strength, psi (MPa)                | 7 900 (54)                    | D790        |
| Flexural Modulus, psi (MPa)                 | 417 000 (2 875)               | D790        |
| Notched Izod Impact, ft-lb/in (J/m)         | 0.54 (29)                     | D256        |

Solegear encourages the recovery of Traverse<sup>®</sup> and Polysole<sup>®</sup> products

Solegear's Polysole<sup>®</sup> bioplastics are engineered with the maximum possible bio-based content and no chemicals of concern. Polysole<sup>®</sup> is 100% recyclable and compostable where industrial facilities exist.

Solegear Bioplastic Technologies Inc.

#300 - 110 West Hastings St.  
Vancouver, BC  
V6B 1G8 Canada

+1.604.998.4058  
[www.solegear.ca](http://www.solegear.ca)  
[info@solegear.ca](mailto:info@solegear.ca)

(\*) Typical properties; not to be construed as specification limits