

GEOLAST™ 701-87W183

A hard, black, oil resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good hot air and hot oil resistance for use in a wide range of applications. This grade of Geolast™ TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- Recyclable.
- Designed for improved fluid resistance.

Typical mechanical properties

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|-----------------------------|----------|------------------------|
| Stress at 100% elongation | 711 psi | ISO 527-1/-2 or ISO 37 |
| Low temperature brittleness | -27.4 °F | ISO 812 |
| Shore A hardness, 15s | 87 | ISO 48-4 / ISO 868 |

Other properties

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| Density | 9 lb/gal | ISO 1183 |
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Processing Texts

Processing Notes

Geolast™ TPV is incompatible with acetal and PVC. Desiccant drying for 3 hours at 80 °C (180 °F) is recommended. Geolast™ TPV has a wide temperature processing window from 175 to 230 °C (350 to 450 °F) and is incompatible with acetal and PVC. The melt temperature should be maintained below 215 °C (420 °F).