

GEOLAST™ 703-45

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

Stress at 100% elongation	1610 psi	ISO 527-1/-2 or ISO 37
Shore D hardness, 15s	47	ISO 48-4 / ISO 868

Other properties

Density	8 lb/gal	ISO 1183
---------	----------	----------

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).
------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------