DESCRIPTION
TPV is a durable rubber material that is chemical and abrasion resistant and remains flexible at low temperatures.

Commercial Name:..... Rubber, Elastomer
Catalog Code:..... TPV
Chemical Name: ..... EPDM rubber base with proprietary vulcanizing agents
Used On:..... Isolators

Recycling Symbol:

>TPV<
or
7
OTHER

GENERAL PERFORMANCE CHARACTERISTICS

Heat Stabilized	No
High Impact	Yes
Moisture Sensitivity	No
UV Resistance	No

PERFORMANCE ADDITIVES

Glass	None
Mineral	None
Carbon	None

CONDITIONING
None needed, properties do not improve with moisture absorption.

CHEMICAL RESISTANCE
Novalast has excellent chemical resistance to most chemicals except “total immersion” in fuel oils, gasoline or other hydrocarbons. Casual exposure is not a problem; however, total immersion will cause the parts to swell.

Acids	Limited; attacked by strong acids.
Bases	Excellent at room temp.; attacked by strong bases at elevated temps.
Solvents	Generally excellent; some absorption causing plasticization and dimension changes.
Gasoline	Good
Oil	Good
Salt Water	Very Good
Sodium Chloride	Very Good
Zinc Chloride	Good
Calcium Chloride	Good

MAJOR TOXIC ELEMENTS
None

APPROVALS
None

PROPERTIES CHART

	Dry	Units	Test Method
FLAMMABILITY			
UL Flammability	HB	-	UL 94 *Mfg
PHYSICAL			
Specific Gravity	0.963	(1)	ASTM D792
MECHANICAL			
Tensile Strength @Break	11.4 (1650)	MPa (psi)	ASTM D412
Elongation @Break	585	%	ASTM D412
Hardness, 15 sec. delay	80	Shore A	ASTM D2240
THERMAL			
Continuous Operating Temp	-50 to 190 (-58 to 374)	°C (°F)	*Mfg.
UL RTI Str @ 1.5 mm	50 (122)	°C (°F)	UL 746
Compression Set, @ 77°F, 22 hrs @ 158°F, 22 hrs @212°F, 22 hrs	30.1 44.3 55.0	%	*Mfg.
Mold Shrinkage, 0.125”	0.015-0.020	in/in	ASTM D955

(1) Quantity is unitless. Use g/cm^3 to convert to other units.

* Raw material vendor test results

This document is intended as a general guide, in the material selection for a product, but does not guarantee satisfactory performance. All materials selected must be thoroughly tested in its intended application to determine its suitability. Consult a HellermannTyton Representative for assistance in the final material selection.

The information contained herein is believed to be accurate at the time of printing. However, this information has been obtained from a variety of sources and has not been independently verified by HellermannTyton Corporation; therefore, we cannot warrant fitness for a particular application. Furthermore, HellermannTyton Corporation reserves the right to make changes to this document, at any time, without notice to our customers.