

**ColorRx® TPEV7500-90A-RX**
*Americhem - Thermoplastic Vulcanizate Alloy*
**General Information**
**Product Description**

A hard, colorable, non-hygroscopic thermoplastic vulcanize (TPV) in (TPE) family.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Biocompatible • E-beam Sterilizable	• Ethylene Oxide Sterilizable • Excellent Colorability	• Radiation Sterilizable
Uses	• Medical/Healthcare Applications • Surgical Instruments		
Forms	• Pellets		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.932		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Break)	1890	psi	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	650	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	94		ASTM D2240

**Processing Information**

Injection	Nominal Value	Unit
Rear Temperature	350 to 375	°F
Middle Temperature	355 to 380	°F
Front Temperature	365 to 390	°F
Nozzle Temperature	365 to 410	°F
Processing (Melt) Temp	290 to 420	°F
Mold Temperature	75 to 125	°F
Back Pressure	50.0 to 100	psi
Screw Speed	100 to 200	rpm

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

