



## ColorRx® TPEV7500-55A-RX

**PRODUCT DESCRIPTION** TPEV7500-55A-RX is an injection molding grade of thermoplastic vulcanizate (TPV) with Shore-A hardness of 55. It is suitable for healthcare applications.

**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

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	0.920	g/cm <sup>3</sup>	ASTM D792
ELASTOMERS	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength <sup>2</sup> (Break)	5.20	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	430	%	ASTM D412
HARDNESS	NOMINAL VALUE	UNIT	TEST METHOD
Durometer Hardness (Shore A, 10 sec)	59		ASTM D2240
INJECTION	NOMINAL VALUE	UNIT	
Rear Temperature	177 to 191	°C	
Middle Temperature	179 to 193	°C	
Front Temperature	185 to 199	°C	
Nozzle Temperature	185 to 210	°C	
Processing (Melt) Temp	143 to 216	°C	
Mold Temperature	24 to 52	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	100 to 200	rpm	

### NOTES

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

<sup>2</sup> 51 mm/min

