



ColorRx® TPEV7500-90A-RX

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

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	0.930	g/cm ³	ASTM D792

ELASTOMERS	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength ² (Break)	13.0	MPa	ASTM D412
Tensile Elongation ² (Break)	650	%	ASTM D412

HARDNESS	NOMINAL VALUE	UNIT	TEST METHOD
Durometer Hardness (Shore A, 10 sec)	94		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

¹ Typical properties: these are not to be construed as specifications.

² 51 mm/min

