

CDI's Ergonomic Plastic Scalpel Handles

Material Composition



	Composition	Benefits	Catalog#	Color	Length	Fitment
Handle	Polypropylene Co-Polymer (PPCP)	<p>Modulus of Elasticity Co-Polymer: 800 N/mm² Homopolymer: 1200 N/mm²)</p> <p>The additive of the Polyethylene is what gives the co-polymer superior mechanical properties. The Ethylene additive increases the flexibility of the material and offers a lower Modulus of Elasticity. The higher the modulus the greater the stress the material experiences due to temperature shock.</p> <p>Impact strength Co-Polymer: 20 Kj/m² Homopolymer: 10 Kj/m²</p> <p>Impact strength is the resistance or mechanical energy absorbed by a plastic component to thermal and mechanical shocks. Co-Polymer has the benefit of having a greater impact strength created by high temperatures such as those found during autoclaving.</p>	SHY000	Yellow	4¾ "	Universal
			SHP000	Pink	4¾ "	Universal
			SHO000	Orange	4¾ "	Universal
			SHG000	Green	4¾ "	Universal
			SHB000	Blue	4¾ "	Universal
			SHY001	Yellow	3⅞ "	Universal
			SHP001	Pink	3⅞ "	Universal
			SHO001	Orange	3⅞ "	Universal
			SHG001	Green	3⅞ "	Universal
			SHB001	Blue	3⅞ "	Universal
			SHY000-22	Yellow	4¾ "	#22 Specific
			SHP000-22	Pink	4¾ "	#22 Specific
			SHO000-22	Orange	4¾ "	#22 Specific
			SHG000-22	Green	4¾ "	#22 Specific
			SHB000-22	Blue	4¾ "	#22 Specific
			SHY001-22	Yellow	3⅞ "	#22 Specific
			SHP001-22	Pink	3⅞ "	#22 Specific
			SHO001-22	Orange	3⅞ "	#22 Specific
SHG001-22	Green	3⅞ "	#22 Specific			
SHB001-22	Blue	3⅞ "	#22 Specific			
Fitment	316 Stainless Steel	<p>316 grade is the second-most common form of stainless steel. Features increased corrosion resistance, particularly against chlorides and other industrial solvents.</p> <p>316 stainless steel is commonly used in many industrial applications involving processing chemicals, as well as high-saline environments. Due to its non-reactive qualities, 316 stainless steel is also used in the manufacture of medical surgical instruments.</p>	Assorted Packs (1 of each color)			
			SHM555	Assorted	4¾ "	Universal
			SHM444	Assorted	3⅞ "	Universal
			SHM555-22	Assorted	4¾ "	#22 Specific
			SHM444-22	Assorted	3⅞ "	#22 Specific

