



MedArmor 8120U

PC/PBT



Product Description

PC/PBT High impact and wear characteristics with superior chemical resistance to medical disinfectants, Certified Biocompatible, UV stable.

Property	Test Method	Value DAM	Units
Physical			
Specific Gravity	ISO 1183	1.24	-
Melt Flow (260°C/3.8kg)	ASTM D 1238	20.0	g/10 min
Shrinkage (Flow Direction, 1/8 in.)‡	ISO 294-4	1.3-1.8	%
Mechanical			
Strength at Break	ISO 527-1	48	MPa
Strain at Break	ISO 527-1	100	%
Flexural Modulus	ISO 178	2068	MPa
Flexural Strength	ISO 178	72	MPa
Notched Izod Impact	ISO 180	50	kJ/m ²
Hardness (M-Scale)	ISO 2039	-	-
Thermal			
Heat Deflection Temperature			
0.45 MPa	ISO 75-2/B	-	°C
1.80 MPa	ISO 75-2/A	-	°C
Vicat Softening Temperature	ISO 306	-	°C
Flammability			
Flammability Classification	UL 94		File Number E157012
1.5 mm		-	-
3.0 mm		-	-

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All data displayed herein has been obtained via testing of injected molded specimens of natural color. Pigmentation may affect certain properties to various degrees.

‡ Shrinkage data are general guidelines and are only intended to allow comparison to other materials. They should not be used as the sole source of information for generating core and cavity mold dimensions.

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