



PROMETHEUS
TECHNOLOGY

Clear Bio-compatible (MED610)

DENTAL MATERIAL

	ASTM	UNITS	METRIC
Tensile Strength	D-638-03	MPa	50-65
Elongation at Break	D-638-05	%	10-25
Modulus of Elasticity	D-638-04	MPa	2000-3000
Flexural Strength	D-790-03	MPa	75-110
Flexural Modulus	D-790-04	MPa	2200-3200
HDT, °C @ 0.45MPa	D-648-06	°C	45-50
HDT, °C @ 1.82MPa	D-648-07	°C	45-50
Izod Notched Impact	D-256-06	J/m	20-30
Water Absorption	D-570-98 24hr	%	1.1-1.5
Tg	DMA, E»	°C	52-54
Shore Hardness (D)	Scale D	Scale D	83-86
Rockwell Hardness	Scale M	Scale M	73-76
Polymerized Density	ASTM D792	gr/cm3	1.17-1.18
Bio-compatibility	DIN EN ISO 10993-1:2009		Approved
Support Removal Type			WaterJet