



PMMA Dental Discs

Cast Acrylic Discs for Dental Milling Machines

Description and Overview

PMMA Dental Discs are clear and impact resistant biocompatible cast acrylic discs. They are lightweight and easy to machine into the necessary shapes for dental prosthetics. Designed specifically for use in CAD/CAM dental milling machines, PMMA discs may be precision machined to match the specifications of an individual's mouth taken from impressions or digital scans.

Dental prosthetics created from PMMA discs retain acrylic's attractive aesthetic and may appear almost invisible when worn due to acrylic's clarity and transparency.

Applications and Uses

PMMA Dental Discs see use in dental laboratories and dental manufacturers that use CAD or CAM machines to create dental prosthetics and devices.

- Occlusal splints
- Denture bases
- Dentures
- Temporary bridges
- Crowns



PMMA Discs are available in 5 clear disc bundles.
Diameters: 3.86", 3.87"
Thicknesses: 16mm, 22mm, 24mm

Properties and Specifications

Property	PMMA Dental Disc
Specific Gravity	1.19
Tensile Modulus	450,000 psi
Tensile Strength (Yield)	11,250 psi
Flexural Modulus	475,000 psi
Flexural Strength	15,250 psi
Hardness, Rockwell	M98
Water Absorption @ 24 hrs.	0.2%
Impact Strength, Izod	.375 ft-lb/in.
Deflection Temperature	203°F @ 264 psi
Affixable Properties	Chem / Mech

Properties are typical.
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.
Mech is an abbreviation for mechanically affixed bonding.
Field testing is recommended for any application.

