



LINEA TSM ACETAL DENTAL

Cod. A, A1, A2, A3, B1, B2, B3,
H. 16, 20 MM
Cod. 00568-9825 PINK 25 MM

TSM ACETAL DENTAL Classification : Medical devices Classe IIa Direttiva 93/42

Indications: Partial dentures including hooks, space maintainers, bridges, bars, substructures. The Technopolymer TSM is a compound with unique characteristics, since, according to the shape and thickness allows to alternate rigidity and elasticity depending on the specific requirements.

The excellent mechanical properties and the self-lubricating effect makes possible its use in direct contact with metal parts (eg. Attack), also decreasing the friction and abrasion.

You may want to pay attention to the thickness of the edges and to the diameter of the connections in the case of use for substructures, in order to avoid possible drops and detachments of the aesthetic part above.

In the milling step it is important to consider that the central part of the disc, due to production treatments, can be of about 15% less of the mechanical data reported below.

If the product is to be coated with acrylic or composite resins is available "Acercril" product,

Technical features			
TENSILE TEST MAXIMUM LOAD	ISO 527	N	3274
BREAKING LOAD	ISO 527	N	2639
STRESS MASSIMO FOR MM ²	ISO 527	MPA	65
BREAKING STRESS FOR MM ²	ISO 527	MPA	52
MAXIMUM ELONGATION IN %	ISO 527	MPA	63
ELONGATION AT BREAK IN %	ISO 527	MPA	63
TENSILE TEST MAXIMUM LOAD	ISO 178	N	294
BREAKING LOAD	ISO 178	N	237
STRESS MASSIMO PER MM ²	ISO 178	MPA	114
BREAKING STRESS FOR MM ²	ISO 178	MPA	92
STRAIN AT BREAK	ISO 178	MPA	10
ELASTIC MODULE (%) 0.25	ISO 178	MPA	3526
HARDNESS ROCKWELL Scala L	ISO 2039/2	HRA	52
HARDNESS SHORE D	DIN 53505	Shore D	84
ABSORPTION	ISO 10477	ug/mm ³	4.9
SOLUBILITY	ISO 10477	ug/mm ³	< 0.1



Minimum thickness	Area Connections	Dental bridge
Occlusal > 1.mm Lingual > 07mm	Incisors group > 10 mm ² Posterior teeth > 15 mm ²	2 missing elements

Working phase:

Use the standard method for PMMA/Composit during the milling operations.

We recommend to use a single end cutting edge for a better surface finish.
The milling can be carried out both with dry or lubro-refrigerant method