

Multifil

Proprietary Filled PTFE Sliding Bearing Tape



CHARACTERISTICS

- Superior sliding bearing material which can be easily bonded to any clean, rigid substrate
- Reduces vibration

AVAILABILITY

Bearing forms available in standard dimensions



Bearing tape

Tape with 0.015" to 0.125" (0.38 to 3.2 mm) thickness and 12" (305 mm) width or 24" (610 mm) width

APPLICATIONS

Industrial: Machine tool ways, gibs and other sliding applications



Multifil Technical Data

Bearing Properties		Imperial Units	Imperial Value	Metric Units	Metric Value
General					
Maximum load, p	Static	psi	10 000	N/mm ²	70
	Dynamic	psi	5 000	N/mm ²	35
Operating temperature	Min	°F	- 330	°C	- 200
	Max	°F	540	°C	280
Dry					
Maximum sliding speed, U		fpm	500	m/s	2.5
Maximum pU factor		psi x fpm	9 000	N/mm ² x m/s	0.32
Coefficient of friction			0.07		0.07
Grease / Oil Lubrication					
Maximum pU factor		psi x fpm	36 000	N/mm ² x m/s	1.25
Coefficient of friction			0.05		0.05
Recommendations					
Shaft surface roughness, Ra		µin	8 - 16	µm	0.2 - 0.4
Shaft surface hardness		HB	> 200	HB	> 200

Operating Performance

Dry	Very Good
Oil lubricated	Very Good
Grease lubricated	Very Good
Water lubricated	Good
Process fluid lubricated	Good

Microsection



PTFE tape with
proprietary fillers