

Datasheet AS TEMU012



- (1): Hardness rockwell: HRM.
(2): Hardness rockwell: HRC.
(3): Coefficient of friction dynamic: oil/grease.

Material	
Material	Composite

Availability	Unit	Value
Mating Axis	Hardness	> 120 HB
Mating Axis	Roughness	Ra=0.4-1.25
Min. inside diameter	mm	25
Max. inside diameter	mm	300
Length standard	mm	On request
Also available as flange bushing	DIN1494	

Metric Bushing		Wall Thickness	Outside Chamfer	Inner Chamfer
Type	AS TEMU012	0.75	0.5±0.3	0.3±0.2
I.D.	300	1	0.6±0.3	0.3±0.2
High	100	1.5	0.6±0.4	0.4±0.3
		2	1.2±0.4	0.6±0.3
		2.5	1.8±0.6	0.6±0.4

Flange Bushing		Wall Thickness	Outside Chamfer	Inner Chamfer
Type	AS TEMU012F	0.75	0.5±0.3	0.3±0.2
I.D.	300	1	0.6±0.3	0.3±0.2
High	100	1.5	0.6±0.4	0.4±0.3
		2	1.2±0.4	0.6±0.3
		2.5	1.8±0.6	0.6±0.4

Physical Properties	Test Standard	Unit	Value
Density	ASTM D792	g/cm ³	-
Max. swell in water at 20 °C	ASTM D570	%	-

Mechanical Properties	Test Standard	Unit	Value
Compressive strength static	ASTM D695	MPa	250
Compressive strength dynamic	ASTM D695	MPa	140
Module of elasticity	ASTM D695	MPa	-
Tensile strength	ASTM D3410	MPa	-
Shear strength	ASTM D3410	MPa	-
Impact strength	ASTM D256	kJ/m ²	-
Hardness rockwell	ASTM D785	HRM/HRC	> 120 HB

Thermal Properties	Test Standard	Unit	Value
Thermal expansion	ASTM D696	K	16x10 ⁻⁶ K ⁻¹
Min. working temperature		°C	-
Max. working temperature		°C	-
Intermittent working temperature		°C	-

Friction Properties	Test Standard	Unit	Value
Linear velocity grease lubricated		m/s	2.5
Linear velocity oil lubricated		m/s	5
Max. pv load grease lubricated		MPa*m/s	3.6
Max. pv load oil lubricated		MPa*m/s	50
Friction coefficient grease lubricated		μ	0.08-0.20
Friction coefficient oil lubricated		μ	0.02-0.07