

Datasheet AS TEMPG



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

Material	
Material	Thermoplastic

Availability	Unit	Value
Min. inside diameter	mm	8
Max. outside diameter	mm	On request
Length standard	mm	On request

Physical Properties	Test Standard	Unit	Value
Density	ASTM D792	g/cm ³	1.4
Max. swell in water at 20 °C	ASTM D570	%	0.1

Mechanical Properties	Test Standard	Unit	Value
Compressive strength static	ASTM D695	MPa	70
Compressive strength dynamic	ASTM D695	MPa	40
Module of elasticity	ASTM D695	MPa	3000
Tensile strength	ASTM D3410	MPa	-
Shear strength	ASTM D3410	MPa	-
Impact strength	ASTM D256	kJ/m ²	-
Hardness rockwell	ASTM D785	HRM/HRC	-

Thermal Properties	Test Standard	Unit	Value
Thermal expansion	ASTM D696	*10 ⁻⁵ /°C	-
Min. working temperature		°C	-
Max. working temperature		°C	-
Intermittent working temperature		°C	-

Friction Properties	Test Standard	Unit	Value
Coefficient of friction dynamic	Pin-on-ring	Dry against steel	0.08-0.2
Max. sliding speed	Pin-on-ring	m/s	≤1
Max. pv load dry	Pin-on-ring	MPa*m/s	0.6
Max. pv load oil lubricated	Pin-on-ring	MPa*m/s	-
Max. pv load regular greased	Pin-on-ring	MPa*m/s	-
Wear factor	Pin-on-ring	*10 ⁻⁹ m ² /N	-