Tisan

TECHNICAL DATA SHEET

TİSLAMİD®

PRODUCT CODE	H0100100016P
PRODUCT DESCRIPTION	PA66, UNREINFORCED, NATURAL, GENERAL PURPOSE FOR INJECTION MOULDING

PHYSICAL

PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
DENSITY	+23°C	ISO 1183	g/cm³	1,13 - 1,14
MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	1,40
MOISTURE CONTENT	-	ISO 15512	%	< 0,20
RELATIVE VISCOSITY	90% HCOOH,1g/100	TISAN METHOD	-	-

MECHANICAL

PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
YIELD STRENGTH	+23°C	ISO 527-2	MPa	80 - 85
TENSILE STRESS AT BREAK	+23°C	ISO 527-2	Mpa	-
TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	> 15
TENSILE MODULUS	+23°C	ISO 527-2	MPa	3.000 - 3.500
IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/1A	Kj/m²	5 - 6
IZOD IMPACT STRENGTH, UNNOTCHED	+23°C	ISO 180/1U	Kj/m²	NB
IZOD IMPACT STRENGTH, NOTCHED	-30°C	ISO 180/1A	Kj/m²	3 - 4
CHARPY IMPACT STRENGTH, UNNOTCHE	+23°C	ISO 179/1eU	Kj/m²	NB

THERMAL

PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
VICAT SOFTENING TEMPERATURE	50 N	ISO 306	°C	-
HEAT DEFLECTION TEMPERATURE	0,45 MPa	ISO 75-2/B	°C	200
HEAT DEFLECTION TEMPERATURE	1,80 MPa	ISO 75-2/A	°C	70
MELTING TEMPERATURE	10°C/min	ISO 11357	°C	265

Tisan Engineering Plastic LTD.CO.
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ELECTRICAL & FLAMMABILITY

PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
FLAME RATING	1,6 mm	UL 94	-	V2
FLAME RATING	3,2 mm	UL 94	-	V2
GLOW WIRE FLAMMABILITY INDEX	3 mm	IEC 60695-2-12	°C	960
GLOW WIRE FLAMMABILITY INDEX	1,6 mm	IEC 60695-2-12	°C	960
GLOW WIRE IGNITION TEMPERATURE	2 mm	IEC 60695-2-13	°C	-
COMPARATIVE TRACKING INDEX (CTI)	Çözelti A	IEC 60112	Volt	600
SURFACE RESISTIVITY	-	IEC 60093	Ohm	10E+13
VOLUME RESISTIVITY	-	IEC 60093	Ohm.cm	10E+15

INJECTION PROCESS

PROPERTIES	UNITS	VALUE
PREDRYING TEMPERATURE	°C	100-120

Data are based on dry conditions.
To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information.The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. Any values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material.
These values alone do not represent a sufficient basis for any part design. Colorants or other additives may cause significant variations in data values. Properties of molded pans can he influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure.
Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.
It is the sole responsibility of the users investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Call Customer Services for the appropriate Material Safety Data Sheets (MSDS) before attempting to process our products.

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