TECHNICAL DATA SHEET PET-G-32

PET-G-32 - industrial material with low shrinkage, designed to work in extreme conditions. It is characterized by high printing accuracy.
The material used for the production of packaging for food products and in medicine due to the possibility of sterilization. PET-G can be used in printing elements resistant to grease, oil and gasoline.

HARDNESS	
ELASTICITY	
IMPACT STRENGTH	
TENSILE STRENGTH	

PHYSICAL PROPERTIES				
	VALUE	UNIT	TEST METHOD	
Density	1,27	g/cm^3	ISO 1183	
Water Absorption	0,13	%	ISO 62	



MECHANICAL PROPERTIES

	VALUE	UNIT	TEST METHOD
Tensile strength	28	MPa	ISO 527
Tensile elongation	100	%	ISO 527
Flexural strength	68	MPa	ISO 178
Izod impact strenght 23°C	6,2	kJ/m	ISO 180
Rockwell hardness	109	-	ISO 2039-2

THERMAL PROPERTIES

	VALUE	UNIT	TEST METHOD
Heat Deflection Temperature 0,45 MPa	70	°C	ASTM D648
Heat Deflection Temperature 1,8 MPa	64	°C	ASTM D648
VICAT Softening Temperature	85	°C	ASTM D1525

ELECTRICAL PROPERTIES

	VALUE	UNIT	TEST METHOD
Surface resistivity	10^16	Ω/cm^2	ASTM D257

RECOMMENDED PRINTING PARAMETERS



Nozzle temperature

230-250°C



Bed temperature

90°C



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