

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

OMNI3D