LNP™ THERMOTUF™ COMPOUND WF006I

WF-1006 HI
REGION EUROPE

DESCRIPTION

LNP THERMOTUF* WF006I is a compound based on PBT containing 30% Glass Fiber. Added features of this material include: High Impact.

TYPICAL PROPERTY VALUES

Revision 20181231

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	82	MPa	ISO 527
Tensile Stress, break, 5 mm/min	101	MPa	ISO 527
Tensile Strain, break, 5 mm/min	3.6	%	ISO 527
Tensile Modulus, 1 mm/min	7600	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	160	MPa	ISO 178
Flexural Modulus, 2 mm/min	7000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	55	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	13	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.6E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.23E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	218	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	190	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow	0.2 – 0.4	%	SABIC method
Density	1.47	g/cm³	ISO 1183

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