

Technical Data Sheet



Via Moncalieri 19/b 10029 Villastellone (TO) mail: qualita@powerpol.it
P.IVA: 11252150013

Code:

THETAMID B GF10SP NA1000

Description:

PA6 10%GF PROCESS SABILIZED NATURAL

PROPERTIES	UNITS	VALUE	METHOD
------------	-------	-------	--------

PHISICAL	SPECIFIC GRAVITY	g/cm ³	1,1	ISO 1133
	MOISTURE ABSORPTION 24h at 23°C in H2O	%	0,70	INTERNAL
	MOISTURE ABSORPTION saturation	%	5,50	INTERNAL
	MOULDING SHRINKAGE: ALONG FLOW	%	0,3-0,5	INTERNAL
	MOULDING SHRINKAGE: ACROSS FLOW	%	0,7-0,9	INTERNAL

MECHANICAL	TENSILE STRENGHT *	MPa	120	ISO 527-2
	TENSILE MODULUS * <th>MPa</th> <td>5500</td> <td>ISO 527-2</td>	MPa	5500	ISO 527-2
	FLEXURAL STRENGHT * <th>MPa</th> <td>150</td> <td>ISO 178</td>	MPa	150	ISO 178
	FLEXURAL MODULUS * <th>MPa</th> <td>4500</td> <td>ISO 178</td>	MPa	4500	ISO 178
	IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m ²	8	ISO 180/A

THERM	VICAT/B (50N; 120°C/h)	°C	-	ISO 306
	HDT/A (1,8 Mpa)	°C	190	ISO 75-2

FLAMM	FLAME RATING (1,6 mm - 3,2 mm)		HB	UL 94
	GLOW WIRE FLAMMABILITY INDEX (1 mm)	°C	-	IEC 60695-2-12

PROCESSING	PREDRYING TEMPERATURE	°C	80	90	
	PREDRYING TEMPERATURE TIME	h	2	3	
	RECOMMENDED MELT TEMPERATURE	°C	260	300	
	RECOMMENDED MOULD TEMPERATURE	°C	80	100	

NOTE

This document is propriety of Powerpol s.r.l. and can't be used without our autorization. Values in this data sheet are only indicatives, they aren't product specifications.
We cannot forecast every conditions where our informations and our products will be used, then we can't guarantee applicability fitness for a specific use. Then we decline every responsability for damage to customers and others.
* : values only indicative, they aren't product specifications and aren't checked by our qulity system.
Standard Package: 25 Kg bag on pallet (130x110) (total 1250kg); 1000kg big.bag/octabin on pallet (110x110)