



## LNP\* Stat-kon\* Compound M1HI

### Europe-Africa-Middle East: COMMERCIAL

LNP\* Stat-kon\* M1HI is a compound based on Polypropylene resin. Added features of this material include: Electrically Conductive, High Impact.

TYPICAL PROPERTIES <sup>1</sup>	TYPICAL VALUE	UNIT	STANDARD
<b>MECHANICAL</b>			
Tensile Stress, yield, 5 mm/min	27	MPa	ISO 527
Tensile Stress, break, 5 mm/min	16	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	4.3	%	ISO 527
Tensile Strain, break, 5 mm/min	24	%	ISO 527
Flexural Stress, break, 2 mm/min	40	MPa	ISO 178
Flexural Modulus, 2 mm/min	1600	MPa	ISO 178
<b>IMPACT</b>			
Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	60	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL</b>			
CTE, 23°C to 60°C, flow	1.3E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.48E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	110	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	61	°C	ISO 75/Af
<b>PHYSICAL</b>			
Density	0.03	lb/in <sup>3</sup>	ISO 1183
<b>ELECTRICAL</b>			
Surface Resistivity	1.E+02 - 1.E+04	Ohm	ASTM D 257

1) Typical values only. Variations within normal tolerances are possible for various colours. All values are measured at least after 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume rate are measured on injection moulded samples. All samples are prepared according to ISO 294.

2) Only typical data for material selection purpose. Not to be used for part or tool design.  
 3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.  
 4) Own measurement according to UL.

Source, GMD, Last Update: 01/02/2007

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GE  
Plastics

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