



LNP™ THERMOCOMP™ Compound EX06430H

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound EX06430H

Product reorder name: EX06430H

LNP THERMOCOMP EX06430H is a compound based on Polyetherimide resin containing Proprietary Filler(s). Added feature of this grade is: Healthcare.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1120	kgf/cm ²	ASTM D 638
Tensile Stress, break	920	kgf/cm ²	ASTM D 638
Tensile Strain, yield	6.7	%	ASTM D 638
Tensile Strain, break	13.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	37300	kgf/cm ²	ASTM D 638
Flexural Modulus	37400	kgf/cm ²	ASTM D 790
Tensile Stress, yield	106	MPa	ISO 527
Tensile Stress, break	90	MPa	ISO 527
Tensile Strain, yield	6	%	ISO 527
Tensile Strain, break	10.8	%	ISO 527
Tensile Modulus, 1 mm/min	3500	MPa	ISO 527
Flexural Stress	133	MPa	ISO 178
Flexural Modulus	3500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	141	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	111	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	73	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	195	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	194	°C	ISO 75/Af
PHYSICAL			
Density	1.34 - 1.4	g/cm ³	ASTM D 792



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.8	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4 - 6	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	360 - 365	°C
Front - Zone 3 Temperature	365 - 375	°C
Middle - Zone 2 Temperature	355 - 365	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	120 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm