



LNP™ THERMOCOMP™ Compound KF006

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound KFX-1006

Product reorder name: KF006

LNP THERMOCOMP KF006 is a compound based on Acetal Copolymer resin containing 30% Glass Fiber. Added features of this material include: Chemically Coupled.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1500	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.8	%	ASTM D 638
Flexural Stress	2170	kgf/cm ²	ASTM D 790
Flexural Modulus	104700	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	70	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	8	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	161	°C	ASTM D 648
PHYSICAL			
Density	1.62	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.5	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	2	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	200 - 215	°C
Front - Zone 3 Temperature	210 - 220	°C
Middle - Zone 2 Temperature	195 - 205	°C
Rear - Zone 1 Temperature	175 - 190	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm