



LNP™ THERMOCOMP™ Compound EC006AQW

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound EC006AQW

Product reorder name: EC006AQW

LNP™ THERMOCOMP™ EC006AQW is a compound based on Polyetherimide resin containing Carbon Fiber. Added features of this material include:
Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	2700	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.8	%	ASTM D 638
Tensile Modulus, 5 mm/min	292200	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	3740	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	237500	kgf/cm ²	ASTM D 790
Compressive Strength	234	MPa	SABIC Method
IMPACT			
Izod Impact, unnotched, 23°C	77	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	9	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	198	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.39	-	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.03 - 0.1	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.1 - 0.6	%	ASTM D 955
Melt Flow Rate, 380°C/6.7 kgf	10	g/10 min	ASTM D 1238



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	380 - 400	°C
Front - Zone 3 Temperature	380 - 400	°C
Middle - Zone 2 Temperature	380 - 400	°C
Rear - Zone 1 Temperature	380 - 400	°C
Mold Temperature	165 - 180	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	50 - 100	rpm