



LNP™ THERMOCOMP™ Compound LX09404

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound LX09404

Product reorder name: LX09404

LNP THERMOCOMP LX09404 is a compound based on Polyetheretherketone resin containing Carbon Fiber.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	2850	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.3	%	ASTM D 638
Tensile Modulus, 5 mm/min	423100	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	4320	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	302300	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	84	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	332	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.47	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.41	%	ASTM D 570



LNP™ THERMOCOMP™ Compound LX09404

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	150	°C
Drying Time	4 - 6	hrs
Front - Zone 3 Temperature	380 - 400	°C
Middle - Zone 2 Temperature	380 - 400	°C
Rear - Zone 1 Temperature	370 - 380	°C
Mold Temperature	175 - 190	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm