



LNP™ THERMOCOMP™ Compound PX12419

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound PX12419

Product reorder name: PX12419

LNP THERMOCOMP PX12419 is a compound based on Nylon 6 containing Carbon Fiber. Added features of this grade include: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	2370	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2	%	ASTM D 638
Tensile Modulus, 5 mm/min	253900	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	3510	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	193700	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	83	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	10	cm-kgf/cm	ASTM D 256
PHYSICAL			
Specific Gravity	1.26	-	ASTM D 792
ELECTRICAL			
Surface Resistivity	1.E+02 - 1.E+03	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	265 - 275	°C
Front - Zone 3 Temperature	275 - 290	°C
Middle - Zone 2 Temperature	265 - 275	°C
Rear - Zone 1 Temperature	250 - 260	°C
Mold Temperature	80 - 95	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	30 - 60	rpm