

LNPT[™] THERMOCOMP[™] COMPOUND KF008A

KFX-1008

DESCRIPTION

LNP THERMOCOMP KF008A compound is based on POM (Acetal) copolymer resin containing 40% glass fiber.

GENERAL INFORMATION	
Features	High stiffness/Strength, No PFAS intentionally added
Polymer Types	Acetal (POM) Copolymer
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Personal Accessory
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

TYPICAL PROPERTY VALUES

Revision 20260528

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Modulus, 5 mm/min	11420	MPa	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	0.87	%	ASTM D638
Tensile Stress, brk, Type I, 5 mm/min	69.4	MPa	ASTM D638
Flexural Modulus, 1.3 mm/min, 50 mm span	12500	MPa	ASTM D790
Flexural Stress, yld, 1.3 mm/min, 50 mm span	113	MPa	ASTM D790
Flexural Stress, brk, 1.3 mm/min, 50 mm span	92	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, notched, 23°C	41.6	J/m	ASTM D256
Izod Impact, unnotched, 23°C	175	J/m	ASTM D4812
PHYSICAL ⁽¹⁾			
Specific Gravity	1.71	-	ASTM D792
Mold Shrinkage, flow	0.212	%	SABIC method
Mold Shrinkage, xflow	1.387	%	SABIC method
INJECTION MOLDING ⁽²⁾			
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	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Screw Speed	30 – 60	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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