LNP™ COLORCOMP™ COMPOUND JX09403J

DESCRIPTION

LNP COLORCOMP JX09403J compound is based on Polyethersulfone (PES) resin. Added features of this grade include: Colorability, Healthcare, Low Extractables, Food Contact compliant

GENERAL INFORMATION	
Features	Aesthetics/Visual effects, Food contact, Healthcare/Formula lock, High temperature resistance, No PFAS intentionally added
Fillers	Unreinforced
Polymer Types	Polyethersulfone (PESU)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Water Management
Consumer	Home Appliances
Hygiene and Healthcare	Pharmaceutical Packaging and Drug Delivery, Surgical devices, General Healthcare, Patient Testing
Packaging	Industrial Packaging, Food & Beverage

TYPICAL PROPERTY VALUES

Revision 20251203

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Modulus, 50 mm/min	2690	MPa	ASTM D638
Tensile Stress, brk, Type I, 5 mm/min	88.9	MPa	ASTM D638
Tensile Strain, yld, Type I, 5 mm/min	6.5	%	ASTM D638
Flexural Modulus, 1.3 mm/min, 50 mm span	2620	MPa	ASTM D790
Flexural Stress, yld, 1.3 mm/min, 50 mm span	125	MPa	ASTM D790
IMPACT [1]			
Izod Impact, notched, 23°C	53	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	200	°C	ASTM D648
PHYSICAL [1]			
Density	1.37	g/cm³	ISO 1183
Specific Gravity	1.37	-	ASTM D792
INJECTION MOLDING [2]			
Drying Time	4	Hrs	
Drying Temperature	120 – 150	°C	
Maximum Moisture Content	0.05	%	
Melt Temperature	355 – 370	°C	
Rear - Zone 1 Temperature	345 – 355	°C	
Middle - Zone 2 Temperature	360 – 370	°C	
Nozzle Temperature	370 – 380	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mold Temperature	140 – 150	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	60 – 100	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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