

LNPT[™] COLORCOMPT[™] 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 20231109

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/cm ³	ISO 1183
Specific Gravity	1.37	-	ASTM D792
INJECTION MOLDING ⁽²⁾			
Drying Time	4	Hrs	
Drying Temperature	120 – 150	°C	
Maximum Moisture Content	0.5	%	
Melt Temperature	355 – 370	°C	
Rear - Zone 1 Temperature	345 – 355	°C	
Middle - Zone 2 Temperature	360 – 370	°C	
Nozzle Temperature	370 – 380	°C	

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.

ADDITIONAL PRODUCT NOTES

No PFAS intentionally added: The grade listed in this document does not contain PFAS intentionally added during Seller's manufacturing process and is not expected to contain unintentional PFAS impurities. Each user is responsible for evaluating the presence of unintentional PFAS impurities.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.