

LNP™ THERMOCOMP™ 4X08423 compound

Perfluoroalkoxy
SABIC Innovative Plastics

Technical Data		
Product Description		
LNP* Thermocomp* 4X08423 is a compound based on Fluoropolymer containing Glass.		
Also known as: LNP* Thermocomp* Compound 4X08423 Product reorder name: 4X08423		
General		
Material Status	• Commercial: Active	
Literature ¹	• Technical Datasheet	
Search for UL Yellow Card	• SABIC Innovative Plastics • LNP™ THERMOCOMP™	
Availability	• North America	
Filler / Reinforcement	• Glass Fiber Reinforcement	
Processing Method	• Injection Molding	
Physical		
	Nominal Value Unit	Test Method
Specific Gravity		ASTM D792
--	2.19 g/cm³	
--	2.20 g/cm³	
Molding Shrinkage		ASTM D955
Flow: 24 hr	2.0 to 4.0 %	
Across Flow: 24 hr	2.0 to 4.0 %	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.010 %	ISO 62
Mechanical		
	Nominal Value Unit	Test Method
Tensile Modulus		
-- ³	4670 MPa	ASTM D638
--	4610 MPa	ISO 527-2/1
Tensile Strength		
Yield ⁴	40.0 MPa	ASTM D638
Yield	40.0 MPa	ISO 527-2/5
Break ⁴	36.0 MPa	ASTM D638
Break	39.0 MPa	ISO 527-2/5
Tensile Elongation		
Yield ⁴	3.3 %	ASTM D638
Yield	3.3 %	ISO 527-2/5
Break ⁴	3.6 %	ASTM D638
Break	3.4 %	ISO 527-2/5
Flexural Modulus		
50.0 mm Span ⁵	3300 MPa	ASTM D790
-- ⁶	4380 MPa	ISO 178
Flexural Strength		
--	60.0 MPa	ISO 178
Yield, 50.0 mm Span ⁵	49.0 MPa	ASTM D790
Impact		
	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C	260 J/m	ASTM D256
23°C ⁷	23 kJ/m²	ISO 180/1A
Unnotched Izod Impact		
23°C	590 J/m	ASTM D4812
23°C ⁷	45 kJ/m²	ISO 180/1U