

LUCEL N103LD

Description

High viscosity grade, Extrusion molding, POM

Application

Properties	Test Condition	Test Method	Unit	Typical Value
Physical				
Specific Gravity		ISO 1183	g/cm ³	1.41
Water absorption	23 °C, 50 %RH	ISO 62	%	0.2
Melt flow rate	190°C, 2.16kg	ISO 1133	g/10min	3
Mechanical				
Tensile Modulus		ISO 527	MPa	2,500
Tensile Strength		ISO 527	MPa	63
Tensile Elongation		ISO 527	%	40
Flexural Strength		ISO 178	MPa	82
Flexural Modulus		ISO 178	MPa	2,350
Charpy Impact Strength (Notched)	23°C	ISO179	kJ/m ²	7.0
	-30°C			6.5
Thermal				
Heat Deflection Temperature		ISO 75	°C	96
	1.8 MPa			
Melting temperature	10 °C/min	ISO 11357	°C	165
Flammability		UL94	-	HB
Electrical				
Surface Resistivity		IEC 60093	Ω	1 x 10 ¹⁶
Volume Resistivity		IEC 60093	Ω·cm	1 x 10 ¹⁴
Dielectric Strength		IEC 60243-1	kV/mm	19

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained