

LNPT[™] LUBRICOMP[™] COMPOUND WAL34

WAL-4034

REGION ASIA

DESCRIPTION

LNP LUBRICOMP WAL34 compound is based on Polybutylene Terephthalate (PBT) resin containing 15% PTFE, 20% aramid fiber. Added features of this grade include: Internally Lubricated, Wear Resistant.

GENERAL INFORMATION

Features	Wear resistant
Fillers	Aramid Fiber, PTFE
Polymer Types	Polybutylene Terephthalate (PBT)
Processing Techniques	Injection Molding

INDUSTRY

Building and Construction
Consumer
Electrical and Electronics
Industrial

SUB INDUSTRY

Building Component
Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Mobile Phone - Computer - Tablets
Electrical

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	57	MPa	ASTM D638
Tensile Strain, break	2.9	%	ASTM D638
Tensile Modulus, 50 mm/min	4500	MPa	ASTM D638
Flexural Stress	103	MPa	ASTM D790
Flexural Modulus	4390	MPa	ASTM D790
THERMAL ⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	180	°C	ASTM D648
PHYSICAL ⁽¹⁾			
Density	1.42	g/cm ³	ASTM D792
Mold Shrinkage, flow, 24 hrs ⁽²⁾	1.4	%	ASTM D955
Mold Shrinkage, xflow, 24 hrs ⁽²⁾	2.2	%	ASTM D955
Dynamic COF	0.24	-	ASTM D3702 Modified: Manual
Static COF	0.21	-	ASTM D3702 Modified: Manual

(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) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.



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