

LNP* Lubricomp* Compound ABL12

Americas: COMMERCIAL

Also known as: ABL-4012
Product Reorder Name: ABL12

LNP* Lubricomp* ABL12 is a compound based on Acrylonitrile Butadiene Styrene resin containing Glass Bead, PTFE. Added features of this material include: Internally Lubricated.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield	33	MPa	ASTM D 638
Tensile Stress, break	31	MPa	ASTM D 638
Tensile Strain, break	15	%	ASTM D 638
Tensile Modulus, 50 mm/min	2580	MPa	ASTM D 638
Flexural Stress	62	MPa	ASTM D 790
Flexural Modulus	2380	MPa	ASTM D 790
Tensile Stress, yield	32	MPa	ISO 527
Tensile Stress, break	31	MPa	ISO 527
Tensile Strain, break	28	%	ISO 527
Tensile Modulus, 1 mm/min	2280	MPa	ISO 527
Flexural Stress	59	MPa	ISO 178
Flexural Modulus	2280	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	560	J/m	ASTM D 4812
Izod Impact, notched, 23°C	80	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	33	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	80	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	88	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.14	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.2	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.1	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.2	%	ASTM D 955
Wear Factor Washer	125	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.39	-	ASTM D 3702 Modified
Static COF	0.44	-	ASTM D 3702 Modified

Source GMD, last updated:06/13/2007

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours

storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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