

AMORVON® WL-30

(PPS+PTFE)-GF30

DIC Trading (USA) Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	10000	MPa	ASTM D 638
Tensile Strength	150	MPa	ASTM D 638
Elongation at Break	1.6	%	ASTM D 638
Compressive Strength	170	MPa	ASTM D 695
Flexural Modulus	9000	MPa	ASTM D 790
Flexural Strength	200	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	60	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	350	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	23	E-6/K	ASTM D 696
DTUL @ 264 psi	230	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	16	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	120	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.05	%	ASTM D 570
Density	1680	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black

Additives

Lubricants

Features

Tribologic Grade

Regional Availability

North America, Europe, Asia Pacific