LNP™ VERTON™ COMPOUND MVL36SX0

MFXL-8036 HS BLACK

DESCRIPTION

LNP VERTON MVL36SX0 is a compound based on PP resin containing Long Glass Fiber and PTFE. Added features include: Chemically coupled, Heat Stabilized, Internally Lubricated.

TYPICAL PROPERTY VALUES

Revision 20190308

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	116	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.2	%	ISO 527
Tensile Modulus, 1 mm/min	8500	MPa	ISO 527
Flexural Stress, break, 2 mm/min	133	MPa	ISO 178
Flexural Modulus, 2 mm/min	6500	MPa	ISO 178
IMPACT			
Multiaxial Impact	5	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	42	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	17	kJ/m²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	163	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	157	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.37	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.73	%	ISO 294
Density	1.28	g/cm³	ISO 1183
Water Absorption, 23°C/24hrs	0.01	%	ISO 62-1
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Melt Temperature	215 – 220	°C	
Front - Zone 3 Temperature	205 – 215	°C	
Middle - Zone 2 Temperature	200 – 210	°C	
Rear - Zone 1 Temperature	195 – 205	°C	
Mold Temperature	30 – 50	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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