LNP™ LUBRICOMP™ COMPOUND OCL36AXP

OCL4036

DESCRIPTION

LNP* LUBRICOMP* OCL36AXP is a compound based on PPS-Branched resin containing Carbon Fiber, PTFE. Added features include: Electrically Conductive, Internally Lubricated.

TYPICAL PROPERTY VALUES

Revision 20191218

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	175	MPa	ISO 527
Tensile Modulus, 1 mm/min	22500	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	252	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	30	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	262	°C	ISO 75/Af
PHYSICAL			
Density	1.54	g/cm³	ISO 1183
Melt Volume Rate, MVR at 315°C/5.0 kg	5	cm³/10 min	ISO 1133
ELECTRICAL			
Surface Resistivity	1.E+02 – 1.E+04	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating	1.8	mm	UL 94
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Melt Temperature	315 – 320	°C	
Front - Zone 3 Temperature	330 – 345	°C	
Middle - Zone 2 Temperature	320 – 330	°C	
Rear - Zone 1 Temperature	305 – 315	°C	
Mold Temperature	140 – 165	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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