LNP™ STAT-LOY™ COMPOUND SLWM2105

DESCRIPTION

Anti-static PBT/PC blend, mineral 5% filled product

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	46	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	46	MPa	ASTM D 638
Tensile Strain, yld, Type I, 10 mm/min	20	%	SABIC - Japan Method
Tensile Strain, brk, Type I, 10 mm/min	20	%	SABIC - Japan Method
Tensile Modulus, 5 mm/min	2420	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	77	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2300	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	41	J/m	ASTM D 256
Izod Impact, notched, -30°C	-	J/m	ASTM D 256
Instrumented Impact Total Energy, 23°C	-	J	ASTM D 3763
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	161	°C	ASTM D 648
CTE, -40°C to 40°C, flow	-	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	-	1/°C	ASTM E 831
PHYSICAL			
Specific Gravity	1.32	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	1.5 – 1.8	%	SABIC method
Melt Flow Rate, 250°C/1.2 kgf	30	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity	9.E+12	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	110	°C	
Drying Time	3 – 5	hrs	
Melt Temperature	230 – 260	°C	
Nozzle Temperature	240 – 260	°C	
Front - Zone 3 Temperature	240 – 260	°C	
Middle - Zone 2 Temperature	230 – 250	°C	
Rear - Zone 1 Temperature	220 – 240	°C	
Mold Temperature	30 – 60	°C	

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