



LNP™ STAT-LOY™ Compound SLWM2105

Asia Pacific: COMMERCIAL

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	470	kgf/cm ²	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	470	kgf/cm ²	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	24600	kgf/cm ²	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	780	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	23400	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Izod Impact, notched, -30°C	-	cm-kgf/cm	ASTM D 256
Instrumented Impact Total Energy, 23°C	-	cm-kgf	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 (5)	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



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
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