LNP™ STAT-KON™ COMPOUND VC120

DESCRIPTION

LNP™ STAT-KON™ Compound VC120.

TYPICAL PROPERTY VALUES

Revision 20191216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	154	MPa	SABIC - Japan Method
Tensile Strain, break	3	%	SABIC - Japan Method
Flexural Stress	216	MPa	ASTM D 790
Flexural Modulus	12060	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	88	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	206	°C	ASTM D 648
CTE, -30°C to 30°C	6.00E-05	1/°C	TMA
Relative Temp Index, Elec (1)	75	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	75	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	75	°C	UL 746B
PHYSICAL			
Specific Gravity	1.47	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.1 – 0.2	%	SABIC method
Mold Shrinkage, flow, 6.4 mm	0.6 – 0.7	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+03 – 1.E+08	Ohm	ASTM D 257
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45587-236842	-	-
UL Recognized, 94V-0 Flame Class Rating	1.5	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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