SABIC Innovative Plastics™

LNP* Verton* Compound RX03579

Asia Pacific: COMMERCIAL

Also known as: LNP* Verton* Compound PDX-R-03579
Product reorder name: RX03579

LNP VERTON* RX03579 is a compound based on Nylon 66 resin containing Long Glass.

TYPICAL PROPERTIES [1]	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	261	MPa	ISO 527
Tensile Strain, break	1.6	%	ISO 527
Tensile Modulus, 1 mm/min	23280	MPa	ISO 527
Flexural Stress	433	MPa	ISO 178
Flexural Modulus	18920	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	102	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	54	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -40°C	43	kJ/m²	ISO 180/1A
THERMAL			
CTE, -40°C to 40°C, flow	1.7E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	5.3E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	252	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.2	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.41	%	ISO 294
Density	1.71	g/cm³	ISO 1183

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PROCESSING PARAMETERS	TYPICAL VALUE	UNIT
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	290 - 305	°C
Front - Zone 3 Temperature	290 - 300	°C
Middle - Zone 2 Temperature	290 - 300	°C
Rear - Zone 1 Temperature	280 - 295	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm