

## Noryl\* Resin GFN3L

## Asia Pacific: COMMERCIAL

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, yield	117	MPa	SABIC - Japan Method
Tensile Strain, break	4 - 6	%	SABIC - Japan Method
Flexural Stress	139	MPa	ASTM D 790
Flexural Modulus	7440	MPa	ASTM D 790
Hardness, Rockwell R	121	-	ASTM D 785
<b>IMPACT</b>			
Izod Impact, notched, 23°C	88	J/m	ASTM D 256
<b>THERMAL</b>			
HDT, 0.45 MPa, 3.2 mm, unannealed	139	°C	ASTM D 648
CTE, -30°C to 30°C	2.E-05 - 4.3E-05	1/°C	TMA
<b>PHYSICAL</b>			
Specific Gravity	1.31	-	ASTM D 792
Water Absorption, 24 hours	0.06	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.2 - 0.3	%	SABIC Method
<b>ELECTRICAL</b>			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	2.93	-	ASTM D 150
Arc Resistance, Tungsten {PLC}	6	PLC Code	ASTM D 495
<b>FLAME CHARACTERISTICS</b>			
UL Recognized, 94HB Flame Class Rating (3)	1.5	mm	UL 94

Source GMD, last updated:01/27/2000

### Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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