

# NORYL™ RESIN N1900

REGION ASIA

## DESCRIPTION

NORYL N1900 is an unfilled, flame retardant material with a Vicat B/120 of 105°C according ISO 306. NORYL N1900 is V0 at 1.52 mm and 5VA at 3.12 mm according UL94 and halogen free according VDE/DIN 472 part 815. NORYL N1900 is available in all colours.

## TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL</b>			
Tensile Stress, yield	40	MPa	SABIC - Japan Method
Tensile Strain, break	76	%	SABIC - Japan Method
Flexural Stress	68	MPa	ASTM D 790
Flexural modulus	2260	MPa	ASTM D 790
<b>IMPACT</b>			
Izod Impact, notched, 23°C	283	J/m	ASTM D 256
<b>THERMAL</b>			
HDT, 1.82 MPa, 6.4 mm, unannealed	90	°C	ASTM D 648
CTE, -30°C to 30°C	7.E-05	1/°C	TMA
<b>PHYSICAL</b>			
Specific Gravity	1.08	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.5 – 0.7	%	SABIC method
Melt Flow Rate, 250°C/10.0 kgf	29.8	g/10 min	ASTM D 1238
<b>FLAME CHARACTERISTICS</b>			
UL Recognized, 94V-2 Flame Class Rating	0.75	mm	UL 94
UL Recognized, 94V-0 Flame Class Rating	1.5	mm	UL 94
UL Recognized, 94-5VA Rating	2.8	mm	UL 94

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