

NORYL GTX™ RESIN GTX95 1W

REGION ASIA

DESCRIPTION

A new high flow GTX designed for under-the-hood applications such as power distribution boxes, relay boxes and junction boxes. Developmental name EXNX0151.

TYPICAL PROPERTY VALUES

Revision 20180905

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	65	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	66	%	ASTM D 638
Flexural Stress, yld, 2.6 mm/min, 100 mm span	2450	MPa	ASTM D 790
Flexural Stress, brk, 2.6 mm/min, 100 mm span	93	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	235	J/m	ASTM D 256
Izod Impact, notched, -30°C	93	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 6.4 mm, unannealed	195	°C	ASTM D 648
CTE, -40°C to 40°C, flow	9.E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	8.5E-05	1/°C	ASTM E 831
PHYSICAL			
Specific Gravity	1.1	-	ASTM D 792
Melt Flow Rate, 280°C/2.16 kgf	26	g/10 min	ASTM D 1238
Melt Flow Rate, 280°C/5.0 kgf	67	g/10 min	ASTM D 1238
ELECTRICAL			
Dielectric Strength, in oil, 1.6 mm	22.4	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.017	-	ASTM D 150
INJECTION MOLDING			
Drying Temperature	100 – 120	°C	
Drying Time	2 – 3	hrs	
Maximum Moisture Content	0.07	%	
Melt Temperature	280 – 310	°C	
Nozzle Temperature	270 – 300	°C	
Front - Zone 3 Temperature	280 – 300	°C	
Middle - Zone 2 Temperature	270 – 290	°C	
Rear - Zone 1 Temperature	260 – 280	°C	
Hopper Temperature	60 – 80	°C	
Mold Temperature	80 – 120	°C	



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