

Noryl* Resin 115

Asia Pacific: COMMERCIAL

TYPICAL PROPERTIES 1	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yield	480	kgf/cm²	GEPJ Method
Tensile Strain, break	75 - 75	%	GEPJ Method
Flexural Stress	690	kgf/cm²	ASTM D 790
Flexural Modulus	21900	kgf/cm²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	15	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	115	°C	ASTM D 648
CTE, -30°C to 30°C	6.5E-05 - 6.5E-05	1/°C	TMA
PHYSICAL			
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	%	GE Method
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	2.7	-	ASTM D 150
FLAME CHARACTERISTICS			
UL Recognized, 94HB Flame Class Rating (3)	1.5	mm	UL 94

Source, GMD, Last Update:01/27/2000

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Typical values only. Variations within normal tolerances are possible for variose colours. All values are measured at least after 48 hours storage at 230C/50% relative humidity.
 All properties, expect the melt volume rate are measured on injection moulded samples.
 All samples are prepared according to ISO 294.

Only typical data for material selection purpose. Not to be used for part or tool design.
 This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
 Own measurement according to UL.