NORYL™ RESIN NC212

REGION ASIA

DESCRIPTION

NORYL™ Resin NC212

TYPICAL PROPERTY VALUES

Revision 20190718

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	83	MPa	SABIC - Japan Method
Tensile Strain, break	4 – 6	%	SABIC - Japan Method
Flexural Stress	125	MPa	ASTM D 790
Flexural Modulus	6080	MPa	ASTM D 790
Hardness, Rockwell M	88	-	ASTM D 785
IMPACT			
Izod Impact, notched, 23°C	49	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	134	°C	ASTM D 648
CTE, -30°C to 30°C	0.000025 – 0.000045	1/°C	TMA
PHYSICAL			
Specific Gravity	1.16	-	ASTM D 792
Water Absorption, 24 hours	0.06	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.1 – 0.3	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+03 – 1.E+08	Ohm	ASTM D 257
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45587-237056	-	-
UL Recognized, 94V-1 Flame Class Rating	≥1.5	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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