

NORYL™ RESIN SE90

REGION ASIA

DESCRIPTION

NORYL SE90 is an unfilled, flame retardant material with a Vicat B/120 of 110°C according ISO 306. NORYL SE90 is V1 at 1.6 mm according UL94 and halogen free according VDE/DIN 472 part 815.

TYPICAL PROPERTY VALUES

Revision 20250613

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	39	MPa	SABIC - Japan Method
Tensile Strain, break	55	%	SABIC - Japan Method
Flexural Stress	64	MPa	ASTM D790
Flexural Modulus	2200	MPa	ASTM D790
IMPACT			
Izod Impact, notched, 23°C	274	J/m	ASTM D256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	90	°C	ASTM D648
CTE, -30°C to 30°C	7.00E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.1	-	ASTM D792
Water Absorption, (23°C/24hrs)	0.07	%	ASTM D570
Mold Shrinkage, flow, 3.2 mm	0.5 – 0.7	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+16	Ω	ASTM D257
Relative Permittivity, 50/60 Hz	2.69	-	ASTM D150
Arc Resistance, Tungsten {PLC}	7	PLC Code	ASTM D495
FLAME CHARACTERISTICS			
UL Recognized, 94V-1 Flame Class Rating	1.5	mm	UL 94
UL Recognized, 94-5VA Flame Class Rating	3	mm	UL 94

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.