

VALOX™ RESIN VAC3001

REGION ASIA

DESCRIPTION

Unfilled PBT modified with elastomer. Targeted for flexible hinge applications.

TYPICAL PROPERTY VALUES

Revision 20190924

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	51	MPa	SABIC - Japan Method
Tensile Strain, break	160 – 160	%	SABIC - Japan Method
Flexural Stress	84	MPa	ASTM D790
Flexural Modulus	2300	MPa	ASTM D790
Hardness, Rockwell R	117	-	ASTM D785
IMPACT			
Izod Impact, notched, 23°C	59	J/m	ASTM D256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	55	°C	ASTM D648
CTE, -30°C to 30°C	0.00013 – 0.00013	1/°C	TMA
PHYSICAL			
Specific Gravity	1.29	-	ASTM D792
Water Absorption, (23°C/24hrs)	0.08	%	ASTM D570
Mold Shrinkage, flow, 3.2 mm	1.7 – 2.3	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+16	Ω	ASTM D257
Relative Permittivity, 50/60 Hz	3.3	-	ASTM D150

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.

