

CAMPUS® Datasheet



NORYL™ Resin HN731A - Americas - (PPE+PS)
SABIC

Product Texts

NORYL™ HN731A resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade is US FDA and European Food Contact approved, biocompatible (ISO10993 or USP Class VI), RoHS compliant, and It is subject to SABIC's Healthcare management of change and formulation lock. NORYL HN731A resin exhibits good impact resistance, excellent hydrolytical stability, and chemical resistance. This light weight and colorable material is an excellent candidate for medical device and pharmaceutical applications such as drug-delivery inhalers.

Rheological properties	Value	Unit	Test Standard
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	280	°C	ISO 1133
Load	5	kg	ISO 1133
Mechanical properties	Value	Unit	Test Standard
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Thermal properties	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	115	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	135	°C	ISO 306
Burning behavior at 1.5 mm nominal thickness	HB	class	IEC 60695-11-10
Thickness tested (1.5)	1.5	mm	IEC 60695-11-10
Other properties	Value	Unit	Test Standard
Water absorption	0.23	%	Sim. to ISO 62
Humidity absorption	0.06	%	Sim. to ISO 62
Density	1060	kg/m ³	ISO 1183

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 NONINFRINGEMENT 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.

© 2022