SA120

DESCRIPTION

NORYL™ SA120 is a low molecular weight polymer based on polyphenylene ether(PPE). NORYL SA120 is intended for use as an additive in a variety of materials like styrene-based rubbers and block copolymers, epoxies, phenolics, polyurethanes and unsaturated polyesters. Adding NORYL SA120 resin to these systems may improve thermal performance (glass transition temperature), adhesion at elevated temperatures, toughness, dimensional stability, chemical resistance to acids and bases, moisture absorption, and electrical properties (dielectric constant, dissipation factor).

TYPICAL PROPERTY VALUES

Revision 20260402

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
THERMAL			
Tg (half width)	165	°C	SABIC method
PHYSICAL			
Physical Form	PELLET	-	SABIC method
Bulk Density	1	kg/m³	ISO 1183
Intrinsic Viscosity	0.12	dl/g	SABIC method
Phenolic End-group Content	425	µmol/g	SABIC method
Gardner Color			
20% in Toluene, Aged 177C, 24 hrs, nitrogen	14	-	SABIC method
Mw	6300	-	SABIC method
Mn	2350	-	SABIC method
D	2.7	-	SABIC method
Viscosity, pure, 240°C	734	Poise	SABIC method
ELECTRICAL			
Dielectric Constant			
1 MHz	2.54	-	ASTM D150
Dissipation Factor			
1 MHz	0.0007	-	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 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.

© 2026 Copyright by SABIC. All rights reserved