

PPE REACTIVE CHEMISTRIES

SA120

REGION AMERICAS

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 20180403

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
THERMAL			
Tg (half width)	165	°C	SABIC method
PHYSICAL			
Physical Form	PELLET	-	SABIC method
Bulk Density	1	kg/m ³	ISO 1183
Intrinsic Viscosity	0.12	dl/g	SABIC method
Phenolic End-group Content	425	µmol/g	SABIC method
Gardner Color, 20% in Toluene, Initial	12	-	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 D 150
Dissipation Factor, 1 MHz	0.0007	-	ASTM D 150



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