NORYL™ PPE POWDERS + CONCENTRATES 646

REGION ASIA

DESCRIPTION

NORYL™ PPE 646 resin is a high molecular weight polymer based on Polyphenylene Ether (PPE). This material is intended for use as an additive or a building block in a variety of thermoplastics and thermoplastic elastomers such as Styrenic Block Copolymers. PPE powder can be used to improve properties (i.e. Heat Distortion and Creep Resistance). It is hydrolytically stable and non-hydroscopic (typically less than 0.2% water uptake). The polymer is soluble in common organic solvents like toluene, chloroform, and THF. Chemical name: Poly (2,6-dimethyl-, 1,4-phenylene ether) (PPE) Formula: (C8H8O)n Regulatory Status: Complies with the FDA regulation 21CFR 177..2460. Also complies with EU Directive 2002/72/EC.

TYPICAL PROPERTY VALUES

Revision 20190409

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
THERMAL			
Tg (half width)	217	°C	SABIC method
PHYSICAL			
Mean Resin Particle Size	200	micrometer	SABIC method
Physical Form	POWDER	-	SABIC method
Bulk Density	465	kg/m³	ISO 1183
Intrinsic Viscosity	0.46	dl/g	SABIC method
Phenolic End-group Content	820	ppm	SABIC method
Mw	68600	-	SABIC method
Mn	21700	-	SABIC method
D	3.2	-	SABIC method
Toluene Content	<1500	ppm	SABIC method

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