

SABIC Innovative Plastics PPO 646 PPO

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

PPO* 646 resin is a high molecular weight polymer based on Polyphenylene Ether (PPE). PPO* is intended for use as an additive or a building block in a variety of thermoplastics and thermoplastic elastomers like Styrenic Block Copolymers. PPO* resin can be used to improve properties like 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-PPO-646-PPO.php

Physical Properties	Metric	English	Comments
Bulk Density	0.465 g/cc	0.0168 lb/in ³	ISO 1183
Particle Size	200 Åµm	200 Åµm	SABIC Method
Viscosity Measurement	0.46	0.46	Intrinsic Viscosity [dl/g]; SABIC Method
Molecular Weight	68600 g/mol	68600 g/mol	Mw; SABIC Method

Thermal Properties	Metric	English	Comments
Transformation Temperature, Tg	217 Å°C	423 Å°F	half width; SABIC Method

Descriptive Properties	Value	Comments
Mn	21700	SABIC Method
Phenolic End-group Content	820ppm	SABIC Method
Physical Form	POWDER	SABIC Method
Toluene Content	<1500ppm	SABIC Method

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