

PPO™ 646 resin

Polyphenylene Ether + PS

SABIC Innovative Plastics

Message:

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.

General Information			
Features	High Molecular Weight		
	Hydrolytically Stable		
Uses	Additive		
Agency Ratings	EU 2002/72/EC		
	FDA 21 CFR 177.2460		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.465	g/cm ³	ISO 1183
D	3.20		Internal Method
Intrinsic Viscosity	0.46	dl/g	Internal Method
Mean Particle Size	200.0	µm	Internal Method
Mn	21700		Internal Method
Mw	68600		Internal Method
Phenolic End-group Content	820	ppm	Internal Method
Tg (half width)	217	°C	Internal Method
Toluene Content	< 1500	ppm	Internal Method
NOTE			
1.	Bulk Density		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT