

PPO™ 843 resin

Polyphenylene Ether + PS

SABIC Innovative Plastics

Message:

PPO* 843 resin is a medium-high molecular weight copolymer based on Polyphenylene Ether (PPE) and Siloxane. 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: PPE-Siloxane copolymer Formula: $(C_8H_8O)_n(SiC_2H_6O)_m$
Regulatory Status: Complies with EC Reg. No. 10/2011 as amended through EC Reg. No. 2015/174.

General Information			
Features	Copolymer Hydrolytically Stable Medium Molecular Weight		
Uses	Additive		
Agency Ratings	EU 10/2011		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.476	g/cm ³	ISO 1183
D	2.60		Internal Method
Intrinsic Viscosity	0.40	dl/g	Internal Method
Mean Particle Size	400.0	μm	Internal Method
Mn	14800		Internal Method
Mw	36000		Internal Method
Phenolic End-group Content	1000	ppm	Internal Method
Tg (half width)	216	°C	Internal Method
Toluene Content	< 1500	ppm	Internal Method
NOTE			

1. Bulk Density

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Recommended distributors for this material

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