XIBOND® 185

XIBOND® 185 is a reactive additive to improve the blend morphology of polymer blends; this additive is a random copolymer of styrene and maleic anhydride.

Application areas

XIBOND® 185 is designed to act as blend optimizing additive for different functionalities such as compatibilizer, coupling agent, surface modifier and viscosity modifier.

Product properties

XIBOND® 185 can be processed in all types of regular polymer processing equipment. For good dispersion in styrenic polymer like ABS, twin screw extruders with a mild screw configuration and vacuum degassing facility are recommended. To avoid product degradation, temperatures above 310 °C and high shear stresses should be avoided.

Product use

It is recommended to use XIBOND® 185 in dosage levels of 0.1-5%.

Storage and handling

Store at well ventilated and dry places, protected from heat and direct sunlight. Avoid excessive moisture. The granules ensure easy, dust free handling and can be added to the compounding extruder through regular feeder systems.

Health and safety

All health related risks are mentioned in the Safety Data Sheet (SDS), which are avialable on www.xibond.com. Please contact: productstewardship@polyscope.eu for more information.

General properties	Unit	Value	Test method
Physical appearance		powder	
Color		white	
Particle sie distribution	mμ, D50	< 150	ISO 4610

Specific properties	Unit	Value	Test method
Glass transition temperature	°C	165	ISO 3146
Molecular weight (M_w)	g/mole	105,000	GPC
Acid value	mg KOH/g	320	ASTM D3644
Solution Viscosity	dl/g	0.44	ISO 1628
Thermal stability	10 °C/min, N_2	280	Thermographic Analysis 1% loss
Thermal stability	10 °C/min, N_2	290	Thermographic Analysis 2% loss

Compounding properties	Unit	Value
Pre drying temperature	°C	90
Pre drying time	hrs	2-3
Maximum processing temperature	°C	310

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