

XIRAN® SZ08250

Styrene Maleic Anhydride

Polyscope Polymers BV

Message:

XIRAN® SZ08250 is an amorphous thermoplastic random SMA (styrene maleic anhydride) copolymer. XIRAN® SZ08250 is typically added to other engineering plastics to increase:

- thermal stability
- dimensional stability
- surface adhesion properties

Application areas

XIRAN® SZ08250 is specifically designed to be used in film extrusion applications or in combination with polystyrene.

General Information			
Features	Good dimensional stability		
	Copolymer		
	Good adhesion		
	Thermal stability, good		
Uses	Films		
	Plastic modification		
Appearance	White		
	Clear/transparent		
Forms	Particles		
Processing Method	Film extrusion		
	Composite		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Apparent Density	0.60	g/cm ³	Internal method
Maleic Anhydride Content	8.0	%	Internal method
Molecular Weight	250000	g/mol	Internal method
Moisture Content		ppm	ISO 760
Pellet Size	4.00	mm	
Polydispersity - (Mw/Mn)	2.80		ISO 13885-1
Volatiles		ppm	GC
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	115	°C	ISO 3146
Vicat Softening Temperature	112	°C	ISO 306
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0 - 3.0	hr
Cylinder Zone 1 Temp.	180 - 220	°C
Cylinder Zone 2 Temp.	180 - 220	°C
Cylinder Zone 3 Temp.	180 - 220	°C
Cylinder Zone 4 Temp.	180 - 220	°C
Cylinder Zone 5 Temp.	180 - 220	°C

Extrusion instructions

Optimum processing temperature: 200-240°CMaximum processing temperature: 280°C

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