

XIRAN® SZ23110

Styrene Maleic Anhydride

Polyscope Polymers BV

Message:

XIRAN® SZ23110 is an amorphous thermoplastic random SMA (styrene maleic anhydride) copolymer. XIRAN® SZ23110 is typically added to other engineering plastics to increase:

- thermal stability
- dimensional stability
- surface adhesion properties

Application areas

XIRAN® SZ23110 is specifically designed to be used in automotive interior application in combination with impact modifier (ABS) and optional glass fiber reinforcement.

General Information			
Features	Good dimensional stability		
	Copolymer		
	Good adhesion		
	Thermal stability, good		
	amorphous		
Uses	Car interior parts		
	Plastic modification		
Appearance	White		
	Clear/transparent		
Forms	Particles		
Processing Method	Composite		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Apparent Density	0.60	g/cm ³	Internal method
Maleic Anhydride Content	23	%	Internal method
Molecular Weight	110000	g/mol	Internal method
Moisture Content		ppm	ISO 760
Pellet Size	4.00	mm	
Polydispersity - (Mw/Mn)	2.50		ISO 13885-1
Volatiles		ppm	GC
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	150	°C	ISO 3146

Vicat Softening Temperature	145	°C	ISO 306
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	230 - 250	°C	
Middle Temperature	230 - 250	°C	
Front Temperature	230 - 250	°C	
Processing (Melt) Temp	< 280	°C	
Injection instructions			
Optimum processing temperature: 240-270°C			
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Cylinder Zone 1 Temp.	230 - 250	°C	
Cylinder Zone 2 Temp.	230 - 250	°C	
Cylinder Zone 3 Temp.	230 - 250	°C	
Cylinder Zone 4 Temp.	230 - 250	°C	
Cylinder Zone 5 Temp.	230 - 250	°C	
Extrusion instructions			
Optimum processing temperature: 240-270°CMaximum processing temperature: 280°C			

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