XIRAN® IZ0721M

Styrene Maleic Anhydride

Polyscope Polymers BV

Message:

XIRAN® IZ0721M is an amorphous thermoplastic random SMANPMI (styrene maleic anhydride N-Phenylmaleimide) terpolymers. XIRAN® IZ0721M is typically added to other engineering plastics to increase:
thermal stability
dimensional stability
Application areas
XIRAN® IZ0721M is specifically designed as an additive to increase the thermal properties of several engineering plastics especially in styrenic like ABS

General Information	
Features	Good dimensional stability Thermal stability, good amorphous
Uses	High temperature application Plastic modification
Appearance	Yellow
Forms	Particles
Processing Method	Composite Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.60	g/cm³	Internal method
Melt Mass-Flow Rate (MFR) (265°C/10.0 kg)	70	g/10 min	ISO 1133
Maleic Anhydride Content - Calculated	7.0	%	Internal method
Molecular weight-Calculated	135000	g/mol	Internal method
Thermal Stability	380	°C	TGA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	178	°C	ISO 3146
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	
Nozzle Temperature	240 - 270	°C	
Processing (Melt) Temp	< 280	°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
Die Temperature	240 - 270	°C

Extrusion instructions

Maximum processing temperature: 280°C

Recommended distributors for this material

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