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

Features Good dimensional stability Thermal stability, good amorphous Uses High temperature application Plastic modification Plastic modification Appearance Yellow Forms Particles Processing Method Composite Extrusion Injection molding Physical Nominal Value Unit			
amorphousUsesHigh temperature application Plastic modificationAppearanceYellowFormsParticlesProcessing MethodComposite Extrusion Injection molding			
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Extrusion Injection molding			
Injection molding			
	Extrusion		
Physical Nominal Value Unit Test Meth			
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	od		
Apparent Density0.60g/cm³Internal m	nethod		
Melt Mass-Flow Rate (MFR) (265°C/10.0			
kg) 70 g/10 min ISO 1133			
Maleic Anhydride Content - Calculated 7.0 % Internal m			
Molecular weight-Calculated 135000 g/mol Internal m	iethod		
Thermal Stability 380 °C TGA			
Thermal Nominal Value Unit Test Meth	lod		
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 Temperature230 - 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

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