# XIRAN® IZ0721M

### Styrene Maleic Anhydride

#### Polyscope Polymers BV

#### Message:

XIRAN<sup>®</sup> IZ0721M is an amorphous thermoplastic random SMANPMI (styrene maleic anhydride N-Phenylmaleimide) terpolymers. XIRAN<sup>®</sup> 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			
UsesHigh temperature application Plastic modificationAppearanceYellowFormsParticlesProcessing MethodComposite Extrusion Injection molding			
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Processing Method Composite   Extrusion Injection molding			
Extrusion Injection molding			
Injection molding			
	Extrusion		
Physical Nominal Value Unit Test Meth			
Physical Nominal Value Unit Test Meth			
	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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Recommended distributors for this material

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