

# XIRAN® IZ0325M

Styrene Maleic Anhydride

Polyscope Polymers BV

## Message:

XIRAN® IZ0325M is an amorphous thermoplastic random SMANPMI (styrene maleic anhydride N-Phenylmaleimide) terpolymer. XIRAN® IZ0325M is typically added to other engineering plastics to increase:

- thermal stability
- dimensional stability

Application areas

XIRAN® IZ0325M 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/cm <sup>3</sup>	Internal method
Melt Mass-Flow Rate (MFR) (265°C/10.0 kg)	70	g/10 min	ISO 1133
Maleic Anhydride Content - Calculated	4.0	%	Internal method
Molecular weight-Calculated	160000	g/mol	Internal method
Thermal Stability	400	°C	TGA
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	181	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	240	°C	
Middle Temperature	240	°C	
Front Temperature	240	°C	
Nozzle Temperature	260	°C	
Processing (Melt) Temp	< 320	°C	

Extrusion	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	2.0 - 3.0	hr
Cylinder Zone 1 Temp.	240	°C
Cylinder Zone 2 Temp.	240	°C
Cylinder Zone 3 Temp.	240	°C
Cylinder Zone 4 Temp.	240	°C
Cylinder Zone 5 Temp.	240	°C
Die Temperature	260	°C
Extrusion instructions		

Maximum processing temperature: 320°C

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#### Recommended distributors for this material

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