

# Isocor™ TT25TI

Polyamide 6

Shakespeare Monofilaments and Specialty Polymers

Message:

Isocor™ TT25TI is a low viscosity nylon terpolymer. Isocor™ TT25TI is useful as an additive for improved impact in phenolics, polyesters, urethanes and nylons. The unique chemistry affords it special dispersion properties in hard to color formulations and can be used as melt adhesive for dissimilar surfaces. Isocor™ TT25TI is soluble in most common alcohols and is used as a thread bonding agent were suppleness, melt point or solubility is a concern. Typical applications for Isocor™ TT25TI include:

Impact modifier

Color concentrates

Melt adhesives

Thread bonding

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Low viscosity		
	Terpolymer		
Uses	Color masterbatch		
	Bonding		
	Adhesive		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	142	°C	ASTM E1356
Vicat Softening Temperature	140	°C	ASTM D1525
Additional Information			
Solubility in Alcohols: YesMelting Point, ASTM D3418-97: Amorphous °CRelative Viscosity, ASTM D789-97: 20 to 30 RVCColor, ASTM D1003-97: 10 max B*			
Injection	Nominal Value	Unit	
Dew Point	< -17.8	°C	
Suggested Max Moisture	0.20	%	
Hopper Temperature	60.0	°C	
Rear Temperature	143 - 154	°C	
Middle Temperature	149 - 160	°C	
Front Temperature	154 - 166	°C	
Nozzle Temperature	143 - 154	°C	
Processing (Melt) Temp	143 - 154	°C	
Mold Temperature	10.0 - 93.3	°C	

Injection Pressure	3.45 - 13.8	MPa
Injection Rate	Fast	
Back Pressure	0.689	MPa

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