

TexRes PA 66 ST BK

TexCo Resin - Polyamide 66

General Information

Product Description

TexRes Nylon 66 ST BK is designed for applications that require good flow, impact strength and stiffness. Recommended uses include Packaging for consumer products, house wares and automotive applications.

General

Features	<ul style="list-style-type: none"> • Good Flow • Good Impact Resistance 	<ul style="list-style-type: none"> • Good Stiffness • High Toughness
Uses	<ul style="list-style-type: none"> • Automotive Applications 	<ul style="list-style-type: none"> • Household Goods • Packaging
Appearance	<ul style="list-style-type: none"> • Black 	
Processing Method	<ul style="list-style-type: none"> • Injection Molding 	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Moisture	< 0.20	%	ISO 15512
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	334000	psi	ISO 527-1
Tensile Stress	6960	psi	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	261000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	37	ft·lb/in ²	ISO 179/1eA
Notched Izod Impact Strength	37	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	500	°F	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.13 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	520 to 560	°F
Middle Temperature	520 to 560	°F
Front Temperature	520 to 560	°F
Nozzle Temperature	520 to 560	°F
Processing (Melt) Temp	520 to 560	°F
Mold Temperature	140 to 180	°F
Back Pressure	50.0	psi