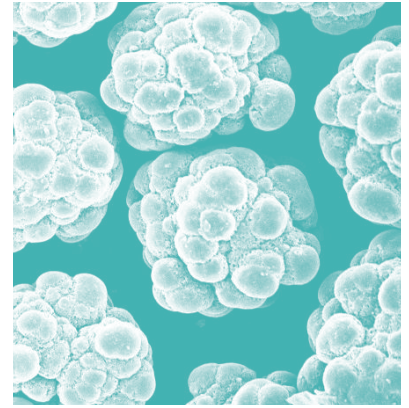


# Ekonal® T-101 Polyester



## Ekonal® Polyester T-101

### INTRODUCTION

Ekonal® Polyester is a very thermally stable polymer. When combined with polytetrafluoroethylene (PTFE), it produces composite materials that have excellent temperature and wear resistance. The Ekonal® Polyester / PTFE blend are compatible with a wide range of mating surfaces. Its non-abrasive character enhances the frictional performance to prevent galling of softer mating surfaces resists better than any other PTFE compositions.

### APPLICATIONS

Applications for Ekonal® Polyester/PTFE blends are varied and include packing sets, compressor ring sets, “O” ring seals and rotors or vanes of process pumps. Ekonal® Polyester/PTFE works best under environmentally tough conditions where wear resistance, dimensional stability and corrosion resistance are critical.

### TYPICAL PROPERTIES

Physical Properties		Thermal Properties	
Appearance	Tan - Brown Powder	Thermal Stability from RT to 750° F in air with a 1 hour hold at 750° F.	Weight Loss per Hour 3.5% maximum
Form	Highly Crystalline		
Particle Size	Screen Analysis:		
	+ 170 5 % max		
	+ 230 20 % max		
	+ 325 50-85 %	Decomposition Temperature	Above 800° F (426.7° C)
Average Particle Size	60 to 75 microns (0.06-0.075mm)	Maximum Recommended	Intermittent 600 - 700° F (316-371°C)
Apparent Density	39.95 lb/ft <sup>3</sup> (0.64 g/cm <sup>3</sup> )	Service Temperature	Continuous 500 - 600° F (260-316°C)