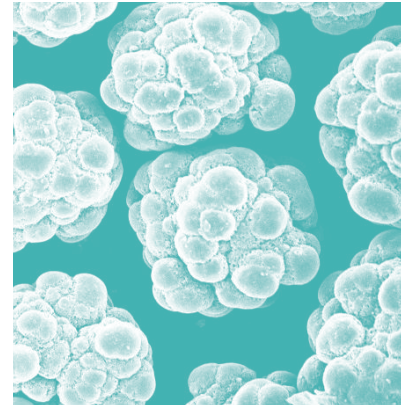


Ekonal[®] T-101 Polyester



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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 ³ (0.64 g/cm ³)	Service Temperature	Continuous 500 - 600° F (260-316°C)