



## TYPICAL PROPERTIES OF 4000 Polyester

Property	Units	Typical Values									Test Method
Average Thickness	µm gauge	15 60	19 75	23 92	36 142	50 200	75 300	100 400	125 500	175 700	ASTM D 4321
Water Vapor Transmission	g/m <sup>2</sup> /24h 40°C, 100%RH	<40	<35	<30	<20	<15	<10	<5	<3		ASTM E 96
Oxygen Gas Transmission	cc/m <sup>2</sup> /24h 23°C, 1 atm	<120	<110	<100	<80	<60	<40	<20	<10		ASTM D 1434
Coefficient of Friction	uk 23°C	<0.6	<0.6	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	ASTM D 1894
Treatment	Dyne / cm	>48	>48	>48	>48	>48	>48	>48	>48	>48	ASTM D 2578
Tensile Strength											
MD	kg/mm <sup>2</sup>	>18	>18	>18	>18	>17	>17	>15	>15	19-21	ASTM D 882
TD		>18	>18	>18	>18	>17	>17	>15	>15	21	
Elongation											
MD	%	>75	>80	>85	>100	>100	>100	>100	>100	>100	ASTM D 882
TD		>75	>80	>85	>90	>90	>100	>100	>100	>100	
Dielectric Strength	KV	>3.5	>4.0	>4.5	>6.5	>8.0	>8.5	>9.0	>9.5		ASTM D 149
Heat Shrinkage											
MD	%	<1.9	<1.8	<1.7	<1.5	<1.4	<1.3	<1.0	<1.0	<1.2	ASTM D 1204
TD		<0.3	<0.3	<0.3	<0.3	<0.3	<0.9	<1.0	<1.0	<1.0	
Haze	%	>86	>86	>86	>86	>86	>85	>85	>85	>85	ASTM D 1003

*The data herein represents typical values by the methods indicated and should be so considered.*

*Since processing variables are a major factor in product performance, this information should serve only as a guide. To the best of our knowledge, the data are correct. No warranty is made or is to be implied. The Corporation assumes no obligation or liability.*