



**35 Prospect Place  
Deer Park, NY 11729  
631-254-4381**

## **VIRGIN TEFLON**

Revised 6/23

<u>PROPERTY</u>	<u>ASTM METHOD</u>	<u>UNITS</u>	<u>VALUES</u>
SPECIFIC GRAVITY	D782 - 60T		2.14-2.20
TENSILE STRENGTH @ 73°F	D638 - 61T	PSI	1500 - 3500
ELONGATION	D638 - 61T	%	250 - 350
HARDNESS	D1700 - 61	DUROMETER	50 - 60
DEFORMATION % (2):			
73°F, 1500 PSI, 24 HOURS			4 - 8
100°F, 1500 PSI, 24 HOURS			10 - 18
200°F, 1500 PSI, 24 HOURS			20 - 25
IMPACT STRENGTH, IZOD:	D256 - 56	FT./LB./IN.	
73°F AVERAGE			3.00
170°F AVERAGE			6.00
WATER ABSORPTION	D570-59AT	%	.001
COEFFICIENT OF FRICTION (STATIC) @ 73°F	(3)		.04
DIELECTRIC CONSTANT (1000 CPS)	D150 - 59T		2.00
DIELECTRIC STRENGTH (AIR) (4)	D257 - 61	VOLTS/MIL	1000
COEFFICIENT OF THERMAL EXPANSION @	(5)		
73°F	D696 - 44	IN./IN./°F	5.5 X 10
COEFFICIENT OF THERMAL CONDUCTIVITY	D177 - 45	BTU/HR/FT <sup>2</sup>	1.7
		(F°/IN)	
PV @ 900 FEET/MINUTE	(6)		2500
COLOR - WHITE			

(1) - ALL TECHNICAL DATA PRESENTED HEREIN ARE AVERAGE VALUES BASED ON EXPERIENCE IN MATERIALS PROCESSING AND IS BELIEVED TO BE RELIABLE. HOWEVER, NO GUARANTEE IS MADE HEREIN OR IMPLIED AS TO RESULTS OBTAINED FROM THE MATERIALS OR TO THEIR PERFORMANCE.

(2) - CREEP OR COLD FLOW IS CONFINED TO THE FIRST 24 - 72 HOURS AFTER LOAD IS APPLIED.

(3) - VARIOUS METHODS USED.

(4) - 20 - MIL SAMPLE

(5) - VALUES ARE AVERAGE IN DIRECTION OF MOLDING.

(6) - SPECIAL METHODS USED.

(7) - FILLER MATERIAL IS A CONDUCTOR.

\*E.I. DUPONT