

# PTFE

# POLİTEF®

**%35 CARBON REINFORCED POLİTEF® P.T.F.E.**  
( Polytetrafluoroethylene )  
**PRODUCTS : ROD, HOLLOW ROD, SHEET.**

	PROPERTY	UNITS	TEST METHOD	VALUE
P R O D U C T	<b>PHYSICAL PROPERTIES</b>			
	DENSITY	g /cm <sub>3</sub>	ASTM D-1457-18	2,0 - 2,1
	HARDNESS ( SHORE )	Scale D	ASTM D-2240	65 - 70
	WEAR RESIST.(25-10000C)	cm <sup>3</sup> .min/ kg.ms-8	-	-
D A T A	<b>MECHANICAL PROPERTIES</b>			
	TENSILE STRENGTH	Kg/cm <sup>2</sup>	ASTM D-1708	165 - 170
	STRAIN	%	ASTM D-1708	55 - 90
	IMPACT RESISTANCE	cm.kg/cm	ASTM D-256	5 - 6
	DEF. UNDER LOAD	%	ASTM D-621	5 - 6
S H E E T	<b>THERMAL PROPERTIES</b>			
	MELTING TEMP.	oC	ISO 3146	-
	SOFTENING TEMP.		-	-
	SERVICE TEMP.	oC	-	270
	THERMAL COND.	Kcal/cm.C. Hr.	ASTM C-177	0,085
	THERMAL EXPANSION	10-5/oC	ASTM E-831	8 - 11
	IGNITION TEMPERATURE	oC	ASTM D-1929	630
	<b>ELECTRICAL PROPERTIES</b>			
	DIELECTRIC CONSTANT	kV/mm	ASTM D-149	6 - 13

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