

PTFE

POLİTEF®

%25 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	PHYSICAL PROPERTIES			
	DENSITY	g /cm ³	ASTM D-1457-18	2,06 - 2,1
	HARDNESS (SHORE)	Scale D	ASTM D-2240	60 - 67
	WEAR RESIST.(25-10000C)	cm ³ .min/ kg.ms-8	-	-
D A T A	MECHANICAL PROPERTIES			
	TENSILE STRENGTH	Kg/cm ²	ASTM D-1708	165 - 170
	STRAIN	%	ASTM D-1708	80 - 120
	IMPACT RESISTANCE	cm.kg/cm	ASTM D-256	8,5
S H E E T	DEF. UNDER LOAD	%	ASTM D-621	5 - 6
	THERMAL PROPERTIES			
	MELTING TEMP.	oC	ISO 3146	-
	SOFTENING TEMP.		-	-
	SERVICE TEMP.	oC	-	-
	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
	ELECTRICAL PROPERTIES			
	DIELECTRIC CONSTANT	kV/mm	ASTM D-149	6 - 13

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