

# PTFE

## POLITEF (PTFE) RODS AND SHEETS

			TEST METHOD		VALUES
			DN	ISO	
SPECIFIC GRAVITY	g/cm <sup>3</sup>		53479	1183	2,13-2,23
CORROSION (SAND SLURRY TEST)	%		58836	-	-
WATER ABSORPTION	%		53495	62	-
SHORE	Skala D		53505	-	53-57
ROCKWELL	Skala		-	2039-2	-
TENSILE STRENGTH	N/mm <sup>2</sup>		53455	527	25-30
TENSILE ELONGATION	%		53455	527	25
IMPACT RESISTANCE	N/mm <sup>5</sup>		53455	527	-
ELONGATION AT RUPTURE	%		53455	527	>50
STROKE RESISTANCE	kJ/m <sup>2</sup>		53453	179	-
NOTCH IMPACT RESISTANCE	kJ/m <sup>2</sup>		53453	179	-
ELASTICITY MODULE	N/mm <sup>2</sup>		53452	178	-
BALL NOTCH 358/30	N/mm <sup>2</sup>		53456	2039-1	30
MELTING POINT	°C		-	-	325-330
THERMAL ELONGATION	1/K*10 <sup>-5</sup>		53752	-	-
SERVICE TEMPERATURE	°C		53461	75	260
DIELECTRIC RESISTANCE	kV/mm		53481	243	50-80
VOLUMETRIC RESISTANCE	Qxcm		53482	167	>10 <sup>16</sup>
SURFACE RESISTIVITY	Q		53482	167	>10 <sup>13</sup>

The typical values are average values of the tests done at Polimersan laboratories. Those are for information and not product guarantee values.