

PROPIEDADES DE LOS MATERIALES PLÁSTICOS

MATERIAL	NOMBRE	DENSIDAD Grs/cm ³	DUREZA SHORE D	MOD. ELAST. Mpa	ALARG. ROTURA %	COE. FRIC. DIN. μ	TEMP. °C
PVC	Hostlit®	1.38	65-85	2600	20	0.20	+60° / -20°
PE-HD	Hostalen®	0.95	64	1000	600	0.29	+80°
PE-UHMW	Hostalen®	0.96	64-67	790	450	0.20	+85° / -200°
PA6	Ultramid	1.14	70-75	1800	200	0.38-0.45	+100° / -40°
PA12	Vestamid	1.02	63-65	1800	240	0.32-0.38	+100°
PA+MOS2	Ultramid	1.14	80-85	3300		0.32-0.37	+100°
DEVLON V-API	DEVLON®	1.14	85-87	2400-2800	10-100	0.25-0.30	+175° / -125°
PP	Hostalen	0.91	73	1300	650	0.30	+110° / -40°
POM	Delrin	1.42	80-85	3300	40	0.32	+140° / -40°
PETP	Arnite®	1.37	85-90	2800	70	0.25	+110° / -80°
PVDF	Foraflon®	1.78	73-85	2000	20	0.30	+110° / -50°
PTFE	TEFLON®	2.15-2.20	55-60	750	350	0.08-0.1	+260° / -196°
PTFE+15%FV		2.21	58	1100	300	0.16	+260° / -196°
PTFE+25%FV		2.24	64-66	1300	260	0.17	+260° / -196°
PTFE+40%FV		2.27	63-68	1200-1400	100-150		+260° / -196°
PTFE+50%INOX		3.32	68-71	1000-1300	120-260	0.19	+260° / -196°
PTFE+25%C/G		2.12	67-69	1100	125	0.11	+260° / -196°
PTFE+60& BR		3.82	67-69	1100	140	0.17	+260° / -196°
RULON	RULON®	2.18-2.23	63-65	1200-2200	100-290	0.11	+260° / -196°
EKONOL	TEFLON®	2.07	59-63	2300	350-380		+260° / -196°
PFA	TEFLON®	2.17	60-65	600	300	0.25	+260° / -150°
PEEK	VICTREX®	1.32	85	4100	50	0.30-0.38	+250° / -10°
PCTFE	KEL-F	2.10	75-85	1300	50-200	0.35	+150° / -250°
PI	VESPEL	1.33		3105	7.5	0.29	+300° / -270°