

Properties of Selected Polymers

MATERIALS	MELT POINT, °C	SPECIFIC GRAVITY	TENSILE STRENGTH, P.S.I.	YIELD STRENGTH, P.S.I.
Polytetrafluorethelene—PTFE	327	2.14-2.20	3000-5000	
Polyamide—Nylon 6	210-220	1.12-1.14	6000-24000	13000
Polyamide—Nylon 66	255-265	1.13-1.15	11000	300
Polyester—PET	220-267	1.30-1.38	8200-8700	8200-8700
Polyethelene Copolymers— PE				
Linear Low & Medium—LLDPE	112-124	.918-.940	1900-4000	1400-2800
Ethylene Vinyl Acetate—EVA	103-110	.922-.943	2200-4000	1200-6000
Polyethelene, High Density—HDPE	125-135	.939-.960	2500-6500	2800-4800
Polypropylene Copolymer—PP	150-175	.890-.905	4000-5500	3000-4300
Polyurethane	75-137	1.12-1.24	45000-90000	7800-11000
Vinyl Polymers & Copolymers—PVC	75-105	1.16-1.35	1500-3500	900-1700

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