

TYLON® – Nylon

6 - STANDARD GRADES

- 235 - General purpose molding grade
- 235N - Nucleated for faster cycling
- 238 - Impact modified
- 2413 - 13% glass fiber reinforced
- 2433 - 33% glass fiber reinforced

6/6 - STANDARD GRADES

- 135 - General purpose molding grade
- 835 - Superior impact molding grade
- 1413 - 13% glass fiber reinforced
- 1433 - 33% glass fiber reinforced
- 8433 - 33% glass fiber reinforced superior impact

[all grades available with lubrication (L), and heat stabilization (H) additives]

PROPERTY DATA*	UNIT	ASTM	235	238	235N	2413	2433	135	835	1413	8433	8433
		Test	235L	238HL	235NL	2413HL	2433HL	135L	835L	1413L	3L	8433L
Mechanical												
Tensile Strength	psi	D638	11,000	9,000	12,000	18,000	28,000	12,000	8,000	15,000	24,000	21,000
Elongation	%	D638	80	145	17	4	3	50	60	4	3	3
Flexural Strength	psi	D790	16,000	11,000	17,000	22,000	38,000	16,000	12,000	24,000	36,000	28,000
Flexural Modulus	psi(000)	D790	400	310	440	550	1200	400	260	600	1400	1100
Izod Impact (¼")	ft-lb/in	D256	1.1	3.1	.09	1.0	2.1	1.1	1.4	.09	1.5	4.1
Rockwell Hardness	-	D785	R115	R105	R120	R120	R125	R120	R111	R121	M101	-
Physical												
Specific Gravity	-	D792	1.13	1.08	1.13	1.21	1.39	1.14	1.08	1.22	1.40	1.33
Water Absorption 24 hrs	%	D570	1.6	1.5	1.6	1.2	1.5	1.2	1.2	1.1	.07	1.5
Mold Shrinkage 1/8" Thickness	in/in	D955	10-14	10-14	8-11	4-6	2-4	13-18	13-18	5-7	2-4	2-4
Thermal												
Deflection Temp.												
@ 264psi	F	D648	140	135	160	390	415	440	420	450	480	480
@66 psi	F	D648	350	350	365	405	430	190	160	490	495	490

*Tested on natural color specimens.

