

# 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
<b>Mechanical</b>												
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	-
<b>Physical</b>												
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
<b>Thermal</b>												
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.

