

TYNAB® – ABS

AE GRADES

- HM42 - High heat, medium impact molding grade
- VH30 - Flame Retardant** ABS, utility grade
- RH36 - General purpose ABS, utility grade
- LG30 - Low gloss, general purpose molding grade

TYPICAL PROPERTIES*	ASTM TEST	UNITS	HM42	VH30	RH36	LG30
GENERAL						
Specific Gravity	D792	-	1.04	1.22	1.05	1.05
Mold Shrinkage	D955	10 ³ lb/in ²	6-8	6-8	6-8	4-6
MECHANICAL						
Tensile Stress @ Yield	D638	lb/in ²	6,200	5,900	5,500	5,000
Elongation @ Break	D638	%	-	15	20	55
Rockwell Hardness	D785	R-scale	100	98	105	104
Flexural Strength	D790	lb/in ²	10,000	10,000	8,500	9,800
Flexural Modules	D790	10 ³ lb/in ²	320	360	330	310
Izod Impact - 0.125 Inch - notched	D256	ft-lbs	4.2	3.0	3.6	3.0
THERMAL						
Deflection Temp @264psi	D648	F*	208	170	180	173
FLAMMABILITY**						
UL94 Class, 1/16"	-	-	HB	V-O	HB	HB
UL94 Class, 1/8"	-	-	HB	V-O	HB	HB

ABA33

*Data measured on natural colored specimens.

**Flammability results based on Tyne laboratory tests and do not represent hazards of material under actual fire conditions.

