



Nylon 66

| Property | Test Method | Units | General Purpose | Glass Filled | | | Impact Modified | | | |
|---------------------|-------------|-----------|--------------------------------|--------------|-----------|-----------|-----------------|--------------------------|------------------------|------------------------|
| | | | 1100L | 1113L | 1133L | 1143L | 1408L | 1801L | 1814L | 1833L |
| | | | Unfilled, External lubrication | 13% glass | 33% glass | 43% glass | Medium Impact | High Impact, Super Tough | High Impact, 14% glass | High Impact, 33% glass |
| Specific Gravity | D-792 | g/cc | 1.14 | 1.22 | 1.38 | 1.50 | 1.08 | 1.07 | 1.19 | 1.33 |
| Flexural Modulus | D-790 | psi | 410,000 | 700,000 | 1,150,000 | 1,500,000 | 285,000 | 250,000 | 450,000 | 850,000 |
| Tensile Strength | D-638 | psi | 12,000 | 14,500 | 24,500 | 26,500 | 8,700 | 7,000 | 10,500 | 16,500 |
| Elongation @ Break | D-638 | % | 20 | 3.0 | 3.0 | 2.0 | 40.0 | 50.0 | 7.5 | 4.5 |
| Notched Izod @ 72°F | D-256 | ft-lb/in. | 1.0 | 0.8 | 2.0 | 2.3 | 3.0 | 16.0 | 2.3 | 3.5 |
| DTUL @ 66 psi | D-648 | °F | 450 | 440 | 480 | 485 | 175 | 390 | 415 | 430 |
| DTUL @ 264 psi | D-648 | °F | 175 | 420 | 460 | 465 | 145 | 145 | 380 | 390 |

HS (heat stabilizer) available in all grades
 Unlubricated grades also available

Data herein is typical and not to be construed as specifications. Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties. Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed. No information supplied by Slingshot Plastics Corporation constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as suggestion for investigation for use, based upon Slingshot Plastics Corporation or supplier or other customer experience. Slingshot Plastics Corporation makes no warranties, expressed or implied, concerning the suitability or fitness of any of its products for any particular purpose. It is the responsibility of the customer to determine that the product is safe, lawful, and technically suitable for the intended use. The disclosure of information herein is not a license to operate under, or a recommendation to infringe any patents.