



## Technical Datasheet: U166ER

### Product Description:

U166ER is a general purpose injection grade Polyamide 66 featuring good toughness and rigidity.

### Applications:

Auto Parts, Electrical Devices, Home Appliances, Gears.

### Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Specific Gravity	ASTM D792	g/cm <sup>3</sup>	1.14
Molding Shrinkage-Flow	ASTM D 955	%	1.7 to 2.3
Water Absorption (Equilibrium, 23 °C, 60% RH	ASTM D 570	%	1.3
Tensile Strength at Yield (23 °C)	ASTM D 638	MPa	85
Tensile Elongation at Yield (23 °C))	ASTM D 638	%	50
Flexural Modulus (23 °C)	ASTM D 790	MPa	3000
Flexural Modulus (23 °C)	ASTM D 790	MPa	115
Notched Izod Impact (23 °C)	ASTM D 256	J/m	50
Rockwell Hardness (RScale)	ASTM D 785	--	118
Deflection Temperature Under Load (0.45 MPa, nannealed)	ASTM D 648	°C	233
(1.8 MPa, Unannealed)			95
Melting Temperature	--	°C	260
Flame Rating	UL94	--	V-2

\* Typical values not to be construed as specifications.