

# Data Sheet

## PA 6/6 IM20

High Impact, Type 6,6 Nylon

Physical	Test Method	Value	Units
Specific Gravity	ASTM D 792	1.08	g/cm <sup>3</sup>
Melt Flow Rate (230C, 3.8 kg)	ASTM D 1238	-	g/10 min
Moisture Absorption	ASTM D 570	-	%
Mold Shrinkage	ASTM D 955	-	in/in

Mechanical	Test Method	Value	Units
Tensile Strength, yield (73F)	ASTM D 638	7,500	psi
Tensile Strength, break	ASTM D 638	-	psi
Tensile Elongation, yield	ASTM D 638	45	%
Tensile Elongation, break (73F)	ASTM D 638	-	%
Flexural Strength, yield (73F)	ASTM D 790	9,500	psi
Flexural Modulus (73F)	ASTM D 790	250	x 10 <sup>3</sup> psi
Notched Izod Impact Strength (73F)	ASTM D 256	18	ft-Lb/in
Charpy Notched Impact Strength	ISO 179/1eA	-	ft-lb/in <sup>2</sup>
Gardner-Falling Dart Impact (0.125 in)	ASTM D 5420	-	in-lb

Thermal	Test Method	Value	Units
Heat Deflection Temperature, 66 psi	ASTM D648	420	°F
Heat Deflection Temperature, 264 psi	ASTM D648	160	°F

Flammability	Test Method	Value	Units
UL Flame Class @ 0.0625 in	UL 94	-	NA
UL Flame Class @ 0.118 in	UL 94	-	NA

TRM0812

The test values reported are typical and should be considered averages. However, due to varying processing methods and equipment conditions, no guarantees or warranties are expressed or implied, including expressions of fitness for purpose or merchantability. Samples of our products are available for inspection and testing and each buyer is responsible for conducting its own tests to determine the product's fitness for its intended use. PolySource, LLC in no event, will be held liable for any loss or damage that may arise as a result of the use or application of the product or information provided.