

DuPont Zytel® 101L

Unreinforced Polyamide 66

While this product line has been acquired by Celanese, this specific grade had been discontinued while still a DuPont product so it is listed here as a discontinued DuPont product.

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	DAM; ISO 1183
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	50% RH; ISO 527-1/-2
	88.0 MPa	12800 psi	DAM; ISO 527-1/-2
Elongation at Break	16 %	16 %	DAM; ISO 527-1/-2
	>= 50 %	>= 50 %	50% RH; ISO 527-1/-2
Elongation at Yield	4.6 %	4.6 %	DAM; ISO 527-1/-2
	25 %	25 %	50% RH; ISO 527-1/-2
Tensile Modulus	1.40 GPa	203 ksi	50% RH; ISO 527-1/-2
	3.05 GPa	442 ksi	DAM; ISO 527-1/-2
Flexural Modulus	1.20 GPa	174 ksi	50% RH; ISO 178
	2.80 GPa	406 ksi	DAM; ISO 178
Poissons Ratio	0.37	0.37	DAM; ISO 527-1/-2
	0.43	0.43	50%RH; ISO 527-1/-2
Charpy Impact Unnotched	13.4 J/cm ² @Temperature -30.0 °C	63.8 ft-lb/in ² @Temperature -22.0 °F	DAM; ISO 179/1eU
	20.3 J/cm ² @Temperature 23.0 °C	96.6 ft-lb/in ² @Temperature 73.4 °F	DAM; ISO 179/1eU
Charpy Impact, Notched	0.370 J/cm ² @Temperature -30.0 °C	1.76 ft-lb/in ² @Temperature -22.0 °F	DAM; ISO 179/1eA
	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	DAM; ISO 179/1eA