



Comparison Between Zytel 70G33L & VYDYNE R533

Property	Zytel 70G33L NC010 (Dry / Cond)	Vydyne R533 NAT (Dry / Cond)	Notes
Density	1.39 g/cm ³	1.40 g/cm ³	ISO 1183
Tensile Modulus	10500 / 8000 MPa	10600 / 7900 MPa	ISO 527
Tensile Stress at Break	200 / 140 MPa	205 / 145 MPa	ISO 527
Tensile Strain at Break	3.5 / 5%	3 / 5%	ISO 527
Flexural Modulus	9300 / 6210 MPa	10200 / 6500 MPa	ISO 178
Flexural Strength	290 / 200 MPa	290 / 200 MPa	ISO 178
Charpy Notched 23°C	13 / 17 kJ/m ²	13 / 17 kJ/m ²	ISO 179/1eA
Charpy Unnotched 23°C	85 / 100 kJ/m ²	86 / 100 kJ/m ²	ISO 179/1eU
HDT @ 1.8 MPa	252 °C	250 °C	ISO 75
Melting Temperature	262 °C	260 °C	ISO 11357
Processing Melt Temp	285-305 °C	285-305 °C	Recommended
Mold Temperature	70-120 °C	65-95 °C	Recommended

Summary -

These PA66 compounds from DuPont and Ascend show equivalent performance for demanding uses like automotive parts.