



COMPARISON B3OS & OMNI

Category	Property	Durethan B3OS (dry)	Omni U-BK1000
Base polymer	Type	PA6, unfilled, injection	PA6, injection
Density	23 °C	1.14 g/cm ³ (ISO 1183)	1.13 g/cm ³ (ASTM D792)
Tensile modulus	23 °C	3000 MPa (ISO 527)	~2620 MPa (flexural, ASTM)
Tensile strength	23 °C	80 MPa yield (ISO 527)	73 MPa yield (ASTM D638)
Elongation at break	23 °C	20% dry / 50% cond.	40%
Flexural modulus	23 °C	2900 MPa (ISO 178)	2620 MPa (ASTM D790)
Flexural strength	23 °C	110 MPa (ISO 178)	107 MPa (ASTM D790)
Notched impact	23 °C	10–20 kJ/m ² Charpy	5.3 kJ/m ² Izod (3.18 mm)
HDT 0.45 MPa	—	160 °C (ISO 75)	177 °C (ASTM D648)
HDT 1.8 MPa	—	60 °C (ISO 75)	66 °C (ASTM D648)
Melting temp	—	222 °C (DSC)	Not listed