

LNP* Verton* Compound UX06451 BK8-312

Asia Pacific: COMMERCIAL

LNP* Verton* UX06451 BK8-312 is a compound based on Polyphthalamide resin containing Long Glass Fiber.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	2490	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	201700	kgf/cm ²	ASTM D 638
Tensile Stress, break	230	MPa	ISO 527
Tensile Strain, break	1.3	%	ISO 527
Tensile Modulus, 1 mm/min	18600	MPa	ISO 527
Flexural Stress	335	MPa	ISO 178
Flexural Modulus	17500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	94	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	31	cm-kgf/cm	ASTM D 256
Multiaxial Impact	137	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	60	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	30	kJ/m ²	ISO 180/1A
THERMAL			
CTE, -40°C to 40°C, flow	2.2E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	3.2E-05	1/°C	ISO 11359-2
PHYSICAL			
Density	1.63	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.3	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.06	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.2	%	ISO 294
Density	1.63	g/cm ³	ISO 1183