



LNP* Thermocomp* Compound WH0450E

Asia Pacific: COMMERCIAL

Also known as: LNP* Thermocomp* Compound WH0450E

Product reorder name: WH0450E

LNP* Thermocomp* WH0450E is a compound based on Polybutylene Terephthalate resin containing High Specific Gravity Filler. Added features of this material include: High Specific Gravity.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yield	300	kgf/cm ²	ASTM D 638
Tensile Stress, break	290	kgf/cm ²	ASTM D 638
Tensile Strain, yield	0.3	%	ASTM D 638
Tensile Strain, break	0.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	146700	kgf/cm ²	ASTM D 638
Flexural Stress	560	kgf/cm ²	ASTM D 790
Flexural Modulus	119300	kgf/cm ²	ASTM D 790
Tensile Stress, yield	29	MPa	ISO 527
Tensile Stress, break	33	MPa	ISO 527
Tensile Strain, yield	0.3	%	ISO 527
Tensile Strain, break	0.4	%	ISO 527
Tensile Modulus, 1 mm/min	9640	MPa	ISO 527
Flexural Stress	54	MPa	ISO 178
Flexural Modulus	11480	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	11	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	46	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	9	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	182	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	173	°C	ISO 75/Af



LNP* Thermocomp* Compound WH0450E

Asia Pacific: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
PHYSICAL			
Density	4.5	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs		%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.8	%	ASTM D 955
Density	4.5	g/cm ³	ISO 1183