



LNP™ THERMOCOMP™ Compound 2X00858

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound PDX-FP-F-00858

Product reorder name: 2X00858

LNP THERMOCOMP 2X00858 is a compound based on FEP resin containing proprietary fillers.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	140	kgf/cm ²	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	120	kgf/cm ²	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	5.5	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	9.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	10300	kgf/cm ²	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	210	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	8100	kgf/cm ²	ASTM D 790
Tensile Stress, yield, 5 mm/min	14	MPa	ISO 527
Tensile Stress, break, 5 mm/min	13	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	6.1	%	ISO 527
Tensile Strain, break, 5 mm/min	9.3	%	ISO 527
Tensile Modulus, 1 mm/min	930	MPa	ISO 527
Flexural Stress	19	MPa	ISO 178
Flexural Modulus, 2 mm/min	870	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	100	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	69	cm-kgf/cm	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	84	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	31	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	79	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	57	°C	ASTM D 648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	80	°C	ISO 75/Bf



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	61	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	2.17	-	ASTM D 792
Density	2.17	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.01	%	ASTM D 570
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1.5	mm	UL 94 by SABIC-IP