



LNP™ THERMOCOMP™ Compound 2X95787

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound PDX-FP-E-95787

Product reorder name: 2X95787

LNP THERMOCOMP 2X95787 is a compound based on ETFE Copolymer resin containing Proprietary Filler(s).

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	490	kgf/cm ²	ASTM D 638
Tensile Stress, break	460	kgf/cm ²	ASTM D 638
Tensile Strain, yield	9.3	%	ASTM D 638
Tensile Strain, break	13.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	435800	kgf/cm ²	ASTM D 638
Flexural Modulus	344400	kgf/cm ²	ASTM D 790
Tensile Stress, yield	47	MPa	ISO 527
Tensile Stress, break	45	MPa	ISO 527
Tensile Strain, yield	8.6	%	ISO 527
Tensile Strain, break	12.8	%	ISO 527
Tensile Modulus, 1 mm/min	4050	MPa	ISO 527
Flexural Stress	66	MPa	ISO 178
Flexural Modulus	4000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	136	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	49	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	201	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	83	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	24	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	222	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	107	°C	ASTM D 648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	203	°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	91	°C	ISO 75/Af
PHYSICAL			
Density	1.84	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	1.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	2.4	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	1.8	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	2.4	%	ISO 294
Density	1.83	g/cm³	ISO 1183





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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Melt Temperature	315	°C
Front - Zone 3 Temperature	330 - 345	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	280 - 295	°C
Mold Temperature	95 - 120	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

