



LNP™ THERMOCOMP™ Compound FX93387L

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound PDX-F-93387 LE

Product reorder name: FX93387L

LNP™ THERMOCOMP™ FX93387L is a compound based on Polyethylene resin containing proprietary filler(s). Added feature of this grade is: Low Extractable.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Strain, yld, Type I, 5 mm/min	9.3	%	ASTM D 638
Tensile Modulus, 5 mm/min	13600	kgf/cm ²	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	200	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	8800	kgf/cm ²	ASTM D 790
Tensile Stress, yield, 5 mm/min	22	MPa	ISO 527
Tensile Stress, break, 5 mm/min	23	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	9	%	ISO 527
Tensile Strain, break, 5 mm/min	15	%	ISO 527
Tensile Modulus, 1 mm/min	890	MPa	ISO 527
Flexural Stress	20	MPa	ISO 178
Flexural Modulus, 2 mm/min	860	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	96	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	74	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	46	°C	ASTM D 648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	73	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	44	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	0.99	-	ASTM D 792
Density	0.983	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.01	%	ASTM D 570



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	2.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	2.4	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.05	%	ISO 62



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	230	°C
Front - Zone 3 Temperature	220 - 230	°C
Middle - Zone 2 Temperature	210 - 220	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	40 - 55	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm