

LNP* Thermocomp* Compound UFW49S

Asia Pacific: COMMERCIAL

Also known as: LNP* Thermocomp* Compound UFM-3249 HS

Product reorder name: UFW49S

LNP* Thermocomp* UFW49S is a compound based on Polyphthalamide resin containing Glass Fiber, Mineral. Added features of this material include: Heat Stabilized, Low Warpage.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	192	MPa	ISO 527
Tensile Strain, break	1.1	%	ISO 527
Flexural Stress	274	MPa	ISO 178
Flexural Modulus	19300	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	37	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m ²	ISO 180/1A
PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.25	%	ISO 294
Density	1.87	g/cm ³	ISO 1183

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PROCESSING PARAMETERS	TYPICAL VALUE	UNIT
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.15	%
Melt Temperature	315 - 330	°C
Front - Zone 3 Temperature	325 - 340	°C
Middle - Zone 2 Temperature	315 - 325	°C
Rear - Zone 1 Temperature	310 - 320	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm