

LNP* Thermocomp* Compound DX05475

Americas: COMMERCIAL

Also known as: DFA-113
Product Reorder Name: DX05475

LNP* Thermocomp* DFA113 is a compound based on Polycarbonate resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield	59	MPa	ASTM D 638
Tensile Stress, break	54	MPa	ASTM D 638
Tensile Strain, yield	4.9	%	ASTM D 638
Tensile Strain, break	8.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	3590	MPa	ASTM D 638
Flexural Stress	103	MPa	ASTM D 790
Flexural Modulus	3610	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	1068	J/m	ASTM D 4812
Izod Impact, notched, 23°C	58	J/m	ASTM D 256
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	132	°C	ASTM D 648
PHYSICAL	Value	Unit	Standard
Density	1.29	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.3 - 0.5	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.3 - 0.4	%	ASTM D 955

Source GMD, last updated:2008/09/24

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 325	°C
Front - Zone 3 Temperature	320 - 330	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:2008/09/24

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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