

## LNP\* Stat-kon\* Compound DEF42

Americas: COMMERCIAL

Also known as: DCF-1006  
Product Reorder Name: DEF42

LNP STAT-KON\* DEF42 is a compound based on Polycarbonate resin containing Carbon Fiber, Glass Fiber. Added features of this material include: Electrically Conductive.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
IMPACT	Value	Unit	Standard
Instrumented Impact Energy @ peak, 23°C	30	J	ASTM D 3763
Multiaxial Impact	99	J	ISO 6603
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	141	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.08E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	6.48E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	1.08E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	6.52E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	142	°C	ISO 75/Af
FLAME CHARACTERISTICS	Value	Unit	Standard
UL Compliant, 94V-0 Flame Class Rating (3)(4)	2.4	mm	UL 94 by GE

Source GMD, last updated:12/17/2004

### Processing

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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