

LNP* Stat-loy* Compound Cycloy_CA6200

Americas: COMMERCIAL

PRELIMINARY DATA. LNP* Stat-loy* Cycloy_CA6200 compound is a Non-ECO flame retardant, anti-static PC+ABS for ESD management.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	57	MPa	ASTM D 638
Tensile Stress, brk, Type I, 50 mm/min	37	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	20	%	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	89	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2190	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	779	J/m	ASTM D 256
Instrumented Impact Total Energy, 23°C	43	J	ASTM D 3763
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	98	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.24	-	ASTM D 792
Melt Flow Rate, 260°C/1.2 kgf	13	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity, ROA	4.E+11	Ohm	IEC 60093

Source GMD, last updated:07/03/2001

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	75 - 80	°C
Drying Time	2 - 4	hrs
Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.04	%
Melt Temperature	225 - 260	°C
Nozzle Temperature	225 - 260	°C
Front - Zone 3 Temperature	225 - 260	°C
Middle - Zone 2 Temperature	220 - 250	°C
Rear - Zone 1 Temperature	210 - 240	°C
Mold Temperature	60 - 80	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	40 - 70	rpm
Shot to Cylinder Size	30 - 80	%
Vent Depth	0.038 - 0.076	mm

Source GMD, last updated:07/03/2001

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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