

Cycloloy* Resin C4220

Americas: COMMERCIAL

PC+ABS Blend with 20% Glass Reinforce. High heat resistance., Excellent balance strength/rigidity. Good impact/appearance.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 5 mm/min	92	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	93	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	2.6	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.6	%	ASTM D 638
Tensile Modulus, 5 mm/min	6410	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	146	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	5790	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	453	J/m	ASTM D 4812
Izod Impact, unnotched, -30°C	480	J/m	ASTM D 4812
Izod Impact, notched, 23°C	80	J/m	ASTM D 256
Izod Impact, notched, -30°C	64	J/m	ASTM D 256
Instrumented Impact Total Energy, 23°C	21	J	ASTM D 3763
Instrumented Impact Total Energy, -30°C	19	J	ASTM D 3763
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	129	°C	ASTM D 648
HDT, 1.82 MPa, 6.4 mm, unannealed	132	°C	ASTM D 648
PHYSICAL	Value	Unit	Standard
Specific Gravity	1.29	-	ASTM D 792
Melt Flow Rate, 260°C/5.0 kgf	16	g/10 min	ASTM D 1238

Source GMD, last updated:04/01/2003

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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