

ColorFast® NYA1000

(PA*+ABS)

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	41.4	MPa	ASTM D 638
Elongation at Break	200	%	ASTM D 638
Flexural Modulus	1172	MPa	ASTM D 790
Flexural Strength	59.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	65.6	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	221 - 254	°C	-
Mold temperature	10 - 71.1	°C	-
Zone 1	204 - 238	°C	-
Zone 2	210 - 232	°C	-
Zone 3	221 - 254	°C	-
Nozzle temperature	216 - 249	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Features

Ductile

Chemical Resistance

General Chemical Resistance

Regional Availability

North America