

NYLON ENGINEERING PLASTICS

Properties	Unit	Test Method	RA0320GN 1
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Mechanical

Tensile Str,Yield	Psi (Mpa)	D-638	12000 (83)
Tensile Elongation,Break	%	D-638	4.5
Flexural Strength	Psi (Mpa)	D-790A	20000 (138)
Flexural Modulus	Psi (Mpa)	D-790A	600000(4135)
Izod Impact Strength,Notched	ft.lb/in (J/m) 23°C -30°C	D-256	2.7 (144) 1.6 (85)
Rockwell Hardness	R-Scale	D-785	-

Thermal

Melting Point	°C	D-789	220
Heat Deflection Temperature	°C 66 Psi (0.45Mpa) °C 264 Psi(1.82Mpa)	D-648	- 185
Coefficient of Thermal Expansion	E-5 1/°C	D-696	-
Glow Wire Test	°C	IEC 695-2-1	-

Electrical

Dielectric Strength	kv/mm	D-149	-
Volume Resistivity	ohm-cm	D-257	-
Arc Resistance	sec	D-495	-

Other

Specific Gravity	-	D-792	1.2
Melt Flow Index	g/10 min °C / kg	D-1238	-
Mold Shrinkage, Flow	% 3mm	D-955	0.3-0.7
Water Absorption	% 23°C,24hr	D-570	-

Flammability

Flammability	1/8" 1/16" 1/32"	UL-94	HB
Remark	Polyamide 6, 15% Glass Fiber reinforced, Super toughness, RoHS certification		