

NYLON ENGINEERING PLASTICS

Properties	Unit	Test Method	RA0720SN
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Mechanical

Tensile Str,Yield	Psi (Mpa)	D-638	23000 (159)
Tensile Elongation,Break	%	D-638	3.0
Flexural Strength	Psi (Mpa)	D-790	36000 (248)
Flexural Modulus	Psi (Mpa)	D-790	1400000(9649)
Izod Impact Strength,Notched	ft·lb/in (J/m) 23°C -30°C	D-256	2.5 (134) -
Rockwell Hardness	R-Scale	D-785	-

Thermal

Melting Point	°C	D-789	220
Heat Deflection Temperature	°C 66	D-648	-
	Psi (0.45Mpa)		-
	°C 264 Psi(1.82Mpa)		-
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	1.40
Melt Flow Index	g/10 min °C / kg	D-1238	-
Mold Shrinkage, Flow	% 3mm	D-955	-
Water Absorption	% 23°C,24hr	D-570	0.2~0.3

Flammability

Flammability	1/8" 1/16" 1/32"	UL-94	-
Remark	Poly amide 6 35% Glass Fiber Reinforced, Natural Color, RoHS certification		