

Engineering Polymer: Nylon Resin

GRPLON100N

General Information

Product Description

GRPLON100N is an engineering polymer Nylon 66 resin. The resin is impact modified having good balance of stiffness-impact ratio and better processability.

General

Manufacturer / Supplier	GRP Limited
Generic Symbol	Nylon 66
Material Status	Commercial: Active
Additives	Antioxidants Impact Modifier
Features	<ul style="list-style-type: none">○ Better Processability○ Good Impact Resistance○ Good Stiffness
Uses	<ul style="list-style-type: none">○ Automotive Applications○ Household Appliance Components○ Industrial Applications
RoHS Compliance	Contact Manufacturer
Appearance	Natural Color
Physical Form	Pellets
Processing Method	Injection Molding
Product Category	Impact Modified Resin

TECHNICAL DATA SHEET

Physical Properties

Property	Standard	Unit	GRPLON100N
Specific Gravity	ASTM D 792	—	1.1
Tensile Strength	ASTM D 638	MPa	60
Tensile Modulus	ASTM D 638	MPa	2400
Elongation @ Yield	ASTM D 638	%	5
Elongation @ Break	ASTM D 638	%	20
Flexural Strength	ASTM D 790	MPa	60
Flexural Modulus	ASTM D 790	MPa	2000
Notched Izod Impact Strength	ASTM D 256	J/m	100

PROCESSING INFORMATION

Injection	Unit	Nominal Value
Drying Temperature	°C	100
Drying Time	hrs	2
Suggested Maximum Moisture	%	0.2
Processing Temperature	°C	290-300
Mold Temperature	°C	40-50

General guide lines on ventilation, handling of material, drying, purging, and Material Safety Data Sheet are available with GRIP Polymers and can be made available on request. All ASTM properties measured at 3.2mm. Test temperatures are 23°C unless otherwise stated.

The information & data presented herein are typical values and should not be considered as specifications. No warranty or guarantee expressed or implied is made regarding performance. The information and data are subject to change without prior intimation based on research and development work undertaken by the company.

GRP Ltd. - Formerly known as GRIP Polymers Division

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