

Tough PPS Resin

Fortron[®]

1140T11

(GF40% Reinforced / High Impact Grade)

Natural
Black

C/N: HF2000
C/N: HD9100

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1. Characteristics of 1140T11
 2. General Properties
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 - 3-1) Flowability
 - 3-2) Mold Shrinkage

This technical catalog has been prepared based on our own experiences and laboratory test data, and therefore all data shown here are not always applicable to parts used under different conditions. We do not guarantee that these data are directly applicable to the application conditions of users and we ask each user to make his own decision on the application.

1. Characteristics of 1140T11

- 1140T11 is GF40% reinforced and excellent high impact grade containing the durable modifier.

2. General Properties of 1140T11

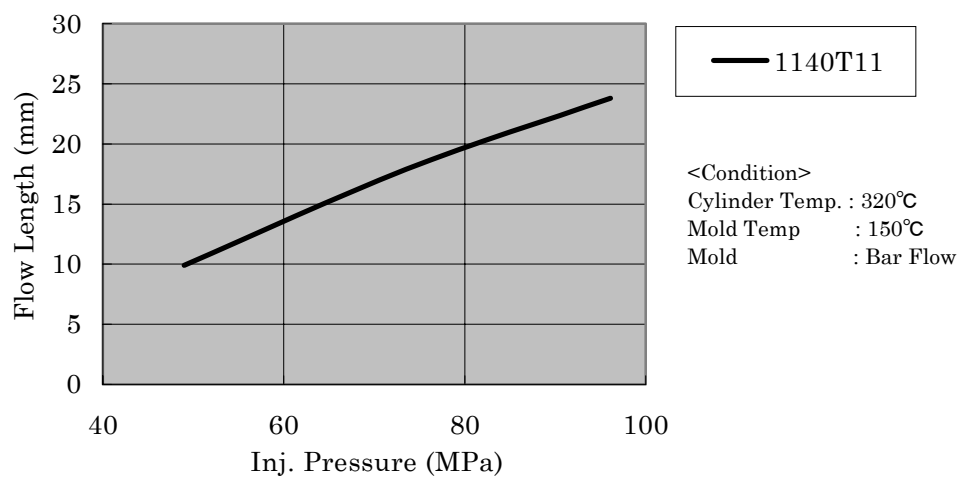
(Table 2-1) General Properties

Property		Unit	Method (ISO)	1140T11
Density		g/cm ³	1183	1.59
Water absorption (23°C, 24hr)		%	62	0.01
Melt viscosity (310°C, 1000/se		Pa·s	11443	600
Mold Shrinkage	Flow dir.	%		0.2
	Traverse dir.			0.7
Tensile strength		MPa	527-1,2	160
Tensile elongation		%		2.0
Flexural strength		MPa	178	235
Flexural modulus		MPa		11,400
Charpy impact strength		KJ/m ²	179/1eU	15.0
DTUL (1.82MPa)		°C	75-1	255
CTE (r.t.)	Flow dir.	x 10 ⁻⁵ /C	11359-2	2
	Traverse dir.			4
Flammability (0.8mm)				V-2

3. Injection Molding Properties

3-1) Flowability

(Fig. 3-1) Flowability (0.5mmt)



3-2) Mold Shrinkage

(Fig. 3-2) Mold Shrinkage (80x80x2mmt)

