

## Elastever® E1115TF-58D

### Material Description:

Elastever® E1115TF-58D is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 15% PTFE. Characteristics include:Lubricated.

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Additive	• PTFE Lubricant: 15%
	• Lubricated
	• Ageing Resistant
Features	• Good Processability
	• Oil Resistant
	• Shock Absorption
	• High Resilience
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.29	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.8 to 1.2	%	ASTM D955
Moisture Content	0.01	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Flexural Modulus	190	MPa	ASTM D790

Elastomers	Typical Value	Unit	Test Method
Tensile Strength (Yield)	17	MPa	ASTM D412
Tensile Elongation (Yield)	> 400	%	ASTM D412
Tear Strength, Die C	44	KN/m	ASTM D624

Processing Information	Typical Value	Unit
Injection Pressure	68.9 to 103	MPa
Processing (Melt) Temp	160 to 218	°C
Mold Temperature	38 to 60	°C
Drying Temperature	107	°C
Drying Time	6	hr
Dew Point	-18	°C

### CONTACT:

CHINA/JIANG SU  
江苏新孚达复合材料有限公司  
NFD Composite Material (Jiangsu) Co., Ltd  
Email:yanghui@nfdpla.com  
Internet:www.nfdpla.com