

# Dawnflex TPU DN-E195FR-60 21111706

#### **FEATURES**

A kind of flame retardant thermoplastic polyurethane (TPU) materials, with good physical properties, high transparency, excellent elasticity, good processing fluidity and fast forming speed performances, is mainly used for injection products extrusion products and calendered products. It is non-toxic and environmentally friendly material, and completely recyclable.

	General information					
Application		Injection products		Extrusion product	Calendered products	
RoHS	RoHS compliance	Complied				
Color		Colorless, transparent				
Appearance		Particle Calendered products				
	Processing method	Injection	Extrusion	Calendered		
Revision period		2021-11-30				
	Performace parameters	Typical va	alue	Unit	Method	
Density		1.160		g/cm3	ASTM D792	
Shore Hardness		95.7		A	ASTM D2240	
Tensile strength		31.1		MPa	ASTM D412	
100%	100% proof strength	1	2.87	MPa	ASTM D412	
300%	300% proof strength	1	9.08	MPa	ASTM D412	
Elongation at break		579.39		%	ASTM D412	
Tear strength		141		KN/m	ASTM D624	
Moisture content		0.05		%	ASTM D4019	
	Flammability					
burni ng,	1.6mm verticle 1.6mm	,	V-0		UL94	

## **Processing conditions**

0.05%

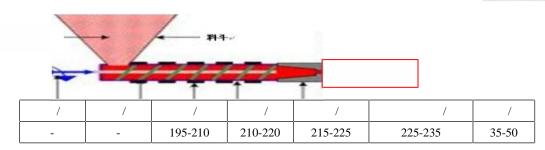
Drying Instructions: Need drying the granules before make molding, excessive moisture will lead materials bad extrusion surface, mechanical performance reduction and bad surface appearance. Moisture content request below 0.05%, suggesting drying as follow process:

During conditions	Drying temperature/	Drying time/h
Drying conditions	100	2-4
100		100

If drying temperature over than  $100^{\circ}$ , it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on  $100^{\circ}$ .

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#### **Extra information**

1.

The above properties are typical performance which is not regarding as technical index or agreement.

2

Above instructions for reference only, different equipment might have difference parameters, please adjust accordingly with different mold and product shape.

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