

# 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		
Color	Complied		
Appearance	Colorless, transparent		
Processing method	Particle	Calendered products	
Revision period	Injection	Extrusion	Calendered
	2021-11-30		
Performance parameters	Typical value	Unit	Method
Density	1.160	g/cm <sup>3</sup>	ASTM D792
Shore Hardness	95.7	A	ASTM D2240
Tensile strength	31.1	MPa	ASTM D412
100% proof strength	12.87	MPa	ASTM D412
300% proof strength	19.08	MPa	ASTM D412
Elongation at break	579.39	%	ASTM D412
Tear strength	141	KN/m	ASTM D624
Moisture content	0.05	%	ASTM D4019
Flammability			
1.6mm vertical burning, 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:			
Drying conditions	Drying temperature/		Drying time/h
	100		2-4
100	100		
If drying temperature over than 100 , it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on 100 .			



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-	-	195-210	210-220	215-225	225-235	35-50

**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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