

## **Dawnflex TPU DN-2085**

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## **FEATURES**

A kind of 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/ extrusion products. It is non-toxic and environmentally friendly material, and completely recyclable.

General information					
Application	/ Injection/ extrusion products				
RoHS RoHS compliance	Complied				
Color	Colorless, tr	ansparent			
Appearance	Particle				
Processing method	/ Injection/ extr	usion			
Revision period	2019-6-5				
Performace parameters	Typical value	Unit	Method		
Density	1.23	g/cm <sup>3</sup>	ASTM D792		
Shore Hardness	85.20	A	ASTM D2240		
Tensile strength	33.2	MPa	ASTM D412		
100% 100% proof strength	5.24	MPa	ASTM D412		
300% 300% proof strength	9.85	MPa	ASTM D412		
Elongation at break	557.51	%	ASTM D412		
Tear strength	98.4	KN/m	ASTM D624		
Moisture content	0.03	%	ASTM D4019		

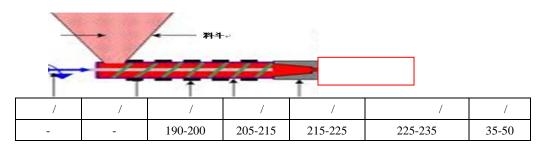
## **Processing conditions**

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:

D	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  $100^{\circ}$ .



## SHANDONG DAWN POLYMER Co. LTD



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Extra	into	rma	tion

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.