

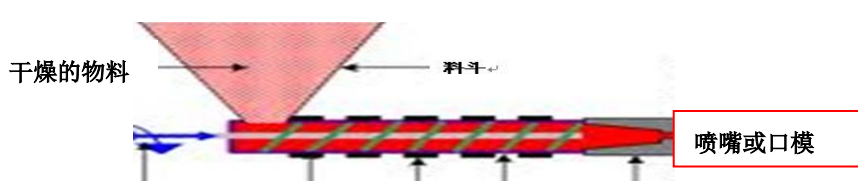
## Dawnflex TPU DN-5370

### 产品介绍

本材料是聚醚型热塑性聚氨酯弹性体的一种，拥有好的物理机械性能，高弹性，良好的加工性能和耐老化性能，卓越的耐水解性能和低温柔韧性，优异的尺寸稳定性，主要用于挤出、压延制品。它是无毒无害的环保型材料，可完全回收再利用。

### FEATURES

A kind of polyether type thermoplastic polyurethane (TPU) materials, with good physical properties, high elasticity, good processing fluidity and aging resistance, excellent hydrolysis resistance and low temperature flexibility and dimensional stability, is mainly used for extrusion and calendaring products. It is non-toxic and environmentally friendly material, and completely recyclable.

常规信息 General information				
应用 Application	挤出制品 Extrusion products			
RoHS 符合性 RoHS compliance	符合 Complied			
颜色 Color	无色 Colorless			
形状 Appearance	粒子 Particle			
成型方法 Processing method	挤出、压延 Extrusion、Calendaring			
修订时期 Revision period	2019-09-18			
物性参数 Performance parameters	典型值 Typical value	单位 Unit	方法 Method	
密度 Density	1.07	g/cm <sup>3</sup>	ASTM D792	
邵氏硬度 Shore Hardness	71.2	A	ASTM D2240	
拉伸强度 Tensile strength	28.1	MPa	ASTM D412	
100%定伸强度 100% proof strength	3.03	MPa	ASTM D412	
300%定伸强度 300% proof strength	5.78	MPa	ASTM D412	
断裂伸长率 Elongation at break	747	%	ASTM D412	
撕裂强度 Tear strength	83.51	KN/m	ASTM D624	
水分含量 Moisture content	0.03	%	ASTM D4019	
成型条件 Processing conditions				
干燥说明：在成型之前需要对粒子进行干燥，水分过大会导致材料外观不良、机械性能下降及制品表面外观差。水分含量要求小于 0.05%，建议如下工艺干燥： 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:				
干燥条件 Drying conditions	干燥温度 Drying temperature/°C		干燥时间 Drying time/h	
	90-95		3-4	
在 100°C 以上温度进行干燥，可能会使材料在料筒处结块；若使用水份分析仪，其温度应设定在 100°C，此材料在生产时间较短的情况下，可以不用烘干直接使用，但开口后建议烘干使用。 If drying temperature over than 100°C, it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on 100°C.				
				
一区/°C	二区/°C	三区/°C	四区/°C	喷嘴/°C
170	175	180	185	190

**附加信息 Extra information**

1. 以上性能为典型性能，不作为技术指标或协议。

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

2. 以上工艺仅供参考，注塑机不同工艺参数也不同，请根据模具与制品形状具体调整

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

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