

Dawnflex TPU DN-1375-T1

	25kg/						
	1.19	g/cm ³	ASTM D792				
	78 ± 2	A	ASTM D2240				
	25	MPa	ASTM D412				
100%	4	MPa	ASTM D412				
300%	7	MPa	ASTM D412				
	700	%	ASTM D412				
	85	KN/m	ASTM D624				
0.05%							
100							
100							
	/		/h				
	80-90		2-4				
	180-190		170-180				
	175-185		165-175				
	170-180		160-170				
	165-175		160-170				
SDS							
1. 2.							
: . 265703							
() 0086-535-8868588;()0086-535-8833988							

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General information			
Material Properties	Good formability, high transparency, low precipitation risk, easy to post-processing		
Application Market	Modifications, shoe materials, injection molded products		
Appearance Shape	Transparent particles		
Packing Specifications	25 kg/bag		
Processing Method	Injection Extrusion		
Physical property parameters	Typical value	Unit	Method
Density	1.19	g/cm ³	ASTM D792
Shore Hardness	78 ± 2	A	ASTM D2240
Tensile Strength	25	MPa	ASTM D412
100% Modulus	4	MPa	ASTM D412
300% Modulus	7	MPa	ASTM D412
Elongation at Break	700	%	ASTM D412
Tear Strength	85	KN/m	ASTM D624
Processing suggestions			
Processing conditions 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
	80-90		2-4
Processing temperature			
Injection	Set Value	Extrusion	Set Value
Nozzle ()	180-190	Nozzle ()	170-180
Front Barrel ()	175-185	Front Barrel ()	165-175
Middle Barrel ()	170-180	Middle Barrel ()	160-170
Rear Barrel ()	165-175	Rear Barrel ()	160-170
Healthy & Safety & Environmental: Take SDS for reference			
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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