

Dawnflex TPU DN-3085-T1

25kg/			
	1.21	g/cm ³	ASTM D792
	85 2	A	ASTM D2240
	40	MPa	ASTM D412
100%	6	MPa	ASTM D412
300%	12	MPa	ASTM D412
	550	%	ASTM D412
	110	KN/m	ASTM D624

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General information			
Material Properties	Good formability, high transparency, low precipitation risk, easy to post-processing		
Application Market	Electronic protection cover, shoes, pipes, casters, modified, cables		
Appearance Shape	Transparent particles		
Packing Specifications	25 kg/bag		
Processing Method	Injection Extrusion		
Physical property parameters	Typical value	Unit	Method
Density	1.21	g/cm ³	ASTM D792
Shore Hardness	85 2	A	ASTM D2240
Tensile Strength	40	MPa	ASTM D412
100% Modulus	6	MPa	ASTM D412
300% Modulus	12	MPa	ASTM D412
Elongation at Break	550	%	ASTM D412
Tear Strength	110	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
	90-100		2-4
Processing temperature			
Injection	Set Value	Extrusion	Set Value
Nozzle ()	200-215	Nozzle ()	185-195
Front Barrel ()	200-210	Front Barrel ()	185-195
Middle Barrel ()	195-205	Middle Barrel ()	180-190
Rear Barrel ()	190-200	Rear Barrel ()	175-185
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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