

Dawnflex TPU DN-2095-T2

General information			
Material Properties	High transparency, low risk of precipitation, fast molding, and high strength		
Application Market	Overmolding, modification, electronic injection molding, cable		
Appearance Shape	Transparent particles		
Packing Specifications	25 kg/bag		
Processing Method	Injection Extrusion		
Physical property parameters	Typical value	Unit	Method
Density	1.22	g/cm ³	ASTM D792
Shore Hardness	95± 2	A	ASTM D2240
Tensile Strength	45	MPa	ASTM D412
100% Modulus	11	MPa	ASTM D412
300% Modulus	20	MPa	ASTM D412
Elongation at Break	450	%	ASTM D412
Tear Strength	145	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	225-235	Nozzle	205-215
Front Barrel	220-230	Front Barrel	200-210
Middle Barrel	215-220	Middle Barrel	195-205
Rear Barrel	210-215	Rear Barrel	190-200
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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