

Dawnflex TPU DN-E195

21092806

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 products xtrusion product calendered products. It is non-toxic and environmentally friendly material, and completely recyclable.

General information			
Application		Injection products xtrusion product Calendered products	
RoHS RoHS compliance		Complied	
Color		Colorless, transparent	
Appearance		Particle	
Processing method		Injection Extrusion Calendered	
Revision period		2021-09-30	
Performace parameters	Typical value	Unit	Method
Density	1.243	g/cm³	ASTM D792
Shore Hardness	95	A	ASTM D2240
Tensile strength	21.8	MPa	ASTM D412
100% 100% proof strength	11.25	MPa	ASTM D412
300% 300% proof strength	9.62	MPa	ASTM D412
Elongation at break	576.94	%	ASTM D412
Tear strength	127	KN/m	ASTM D624
Moisture content	0.05	%	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:			
Drying conditions	Drying temperature/		Drying time/h
	100		2-4
100		100	
If drying temperature over than 100 , it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on 100 .			



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-	-	195-210	210-220	215-225	225-235	35-50

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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