

# Dawnprene TPE 8001-AB

TPE

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Features:

It is a black, thermoplastic elastomer (TPE) material. This material combines good physical properties, chemical resistance and elasticity, designed for injection applications. This grade of TPE can be processed on conventional thermoplastics equipment for injection. It is completely recyclable.

<b>(GENERAL)</b>			
(Application)	general injection		ABS
RoHS Compliance	RoHS		
(Color)	Black		
(Form)	Pellet		
(Processing Method)	injection		
(Revision Date)	2022-05-26		
<b>Physical</b>	<b>Typical Value</b>	<b>Unit</b>	<b>Test Method</b>
(Density)	1.05	g/cm <sup>3</sup>	ASTM D792
	-55		GB/T 15256-2014
<b>(Hardness)</b>			
Shore Hardness(Shore A, 10 sec,2	78	A	ASTM D2240
- 2 Tensile strength-parallel flow direction 2	14	MPa	ASTM D412
- 2 2	550	%	ASTM D412
100% - 2	3.8	MPa	ASTM D412
- 2	55	KN/m	ASTM D624
(Compression Set) 70 I	50-65	%	ASTM D395
<b>(Aging Property)</b>			
(100 (100	±10	%	ASTM D573
(100 (100	±10	%	
(100 (100	3	A	
200PPHM 40 50PPHM 40	No crack		ASTM D7762

0.1%

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 0.01%,suggesting drying as follow process:

Drying conditions	Dring temperature/	Dring time/h
first choice	80 90	2 3
other choice	100	1

110

105

If drying temperature over than 110