

Dawnprene TPE 4001-PA



61FW7-PA

TPE (TPE) 61FW7-PA

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TPE 61FW7-PA

Features:

A soft thermoplastic elastomer (TPE) family. 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 or blow molding. It is completely recyclable.

h0 (GENERAL)			
ÄX (Application)	3 h0 Ä general injectionÄ		
RoHS Compliance	3 RoHS		
NBc (Colour)	3 Bc (Black)		
æ (Form)	2Ä PelletÄ		
# (Processing Method)	# (injection)		
A0 (Revision Date)	3 2021-03-09		
(P) Physical	h Typical Value	}. Unit	h Test Method
Ö (Density)	1.1	g/cm ³	ISO 1183-1
.Ö (Hardness)			
FÄ Shore Hardness(Shore A, 10 sec,23)	40	A	DIN 53505
h7- (Mechanical Property)			
100% hÖ - 23 100% Steching strength-23	0.75	Mpa	DIN 53504
hÖ - 23 Tensile strength- 23	6.5	Mpa	DIN 53504
hK - 23 Elongati on at break-23	800	%	DIN 53504
shu' (Compression Set) 23 *22hr*50%	31	%	PV 3307
M.FÄ foggingÄ	0.5	mg	PV 3015
k.ä Ä total carbonÄ	6	n gC/g	PV 3341
DE Ä odourÄ 80 *2H*20g	3.5	4x	PV 3900
+bGÄ formaldehydeÄ	0.1	mg/kg	PV 3925
LkV (Flammability)			
EO) (Burning Rate)	20	mm/min	TL 1010
61FW7- (Aging Property)			
ODhÖ (120 , 94hr) Change in Tensile Strength in air(120 , 94hr)	-7.2	%	DIN 53508
ODhE (120 , 94hr) Change in Ultimate Elongation in air(120 , 94hr)	-0.6	%	
ODh (120 , 94hr) Change in Shore Hardness in air(120 , 94hr)	+3	A	
68W61FÄ 200PPHMÈ 23 *46 Ä	h		VW2.8.1

Ozone Resistance 200PPHM 23 *46hr	No crack		
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④ .d510 € .9dÈ MOHREWÉV/L}

MFAGP% 0.1% APO

Drying Instructions: No broken bags do not need to dry ,if there is broken bags,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 0.1%,suggesting drying as follow process:

④ Drying conditions	④ Dring temperature/	④ Dring time/h
OH first choice	70 80	2 3
F9 other choice	90	1

X 110 YDREKOK 105Ä

If drying temperature over than 110 ,it might cause materials blocking in barrel zone;if use moisture analysis meter,the temperture setting should be on 105 .

Screw Speed R	Zone I	Zone II	Zone III	Zone IV	Zone V	Nozzl or Die	Mould
40-150	170-220	180-230	180-230	180-230	180-230	180-230	50-70

LtD

1.Dawnprene TPE > PVC 1yE7
Dawnprene TPE is incompatible with PVC mateials,hence must clean the equipment before using.

2.FEÜ 120E 100E 2E .
Above testing data is tested by molding sample block, cutting by the sheet size is 150E 150E 2E .

3.YHuFj 50%Ä Compression Set 50%

4.WVAD
The properties is typical performance,is not regarding as technical index or agreement.

5.KPCX
Any reprocessing must follow the above instructions,and ensure no content impurity.

6.Ü
Above instructions for reference only,different equipment might have difference parameters,please adjust accordingly with different mold and product shape.

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