

() , ()

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(/ / : / / :)

() SPSS
/ /

()

(s2)

:

(Mehrae, 2001)

(Scanlon et al., 2000)

(Shahedi, 2003)

(Tajaldin, 2003)

(Azizi, 2002)

(Nasehi, 1995)

(Holdother, 2008)

(Gawith & Robertson, 2000)

()

" (Cornelius, 2000)

(Dellanno, 2004)

(2008) Lotti et al.

)

(2008) Guadalupe et al.

(1991) Martin et al.

(1991) Martin & Hoseyney

(LDPE)

/ (LDPE)

rpm

(2009) Kermani et al.

(2007) Michael et al.

()

ppm

ppm

ppm

(Anon., 2009)

ppm

ppm

(Sattari Najaf Abadi et al., 2009)

()	W
(/) ppm	S 0.5
() ppm	S 1
(/) ppm	S 1.5
() ppm	S 2
() ppm ppm	SC 1
() ppm ppm	SC 2
() ppm ppm	SC 3

E96-95

(1995) ASTM

%

(Fontanet, 1997)

() (WVP¹)

$$WVP = \frac{\Delta m \times x}{A \times \Delta t \times \Delta P}$$

:WVP

:Δm

(/ × m)

:A

SPSS

:Δt

(m)

:X

: ΔP

Van Wylen, 1977, b4

(table

(Sattari Najaf Abadi et al., 2009)

, ()

(2004) Dellanno, (2008) Guadalupe et al.

(2008) Lotti et al.

	(±)	*	*
Scanlon et al. (Scanlon <i>et al.</i> , 2000)	/	/	W
	/	/	S 0.5
	/	/	S 1
	/	/	S 1.5
	/	/	S 2
	/	/	SC 1
	/	/	SC 2
(2007) Michael et al.	/	/	SC 3

()

()

()

S2

SC3

SC2 SC1

F
/ **
/
/

S2

()

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(Scanlon et al., 2000)

()

×

×

/ /

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F

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**
*
**
**
ns
**

x
x
x
x

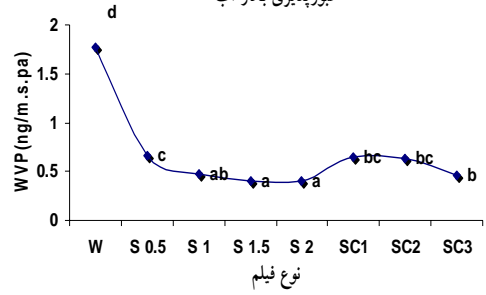
= ns .

x "

" x "

°C °C °C

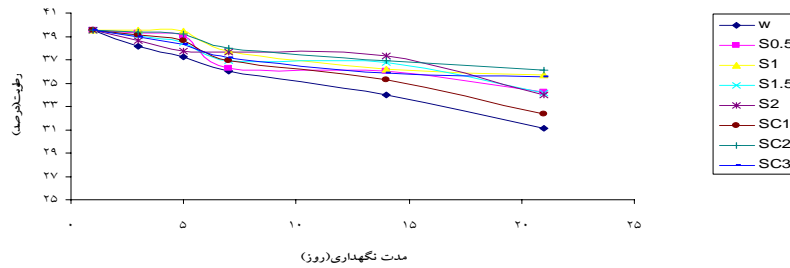
عبورپذیری بخار آب



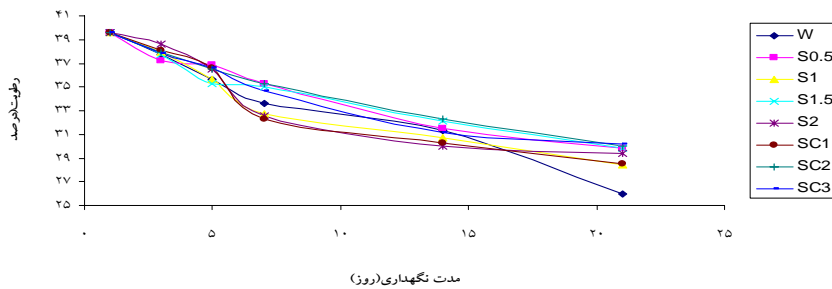
(WVP)

*

دمای ۵ درجه

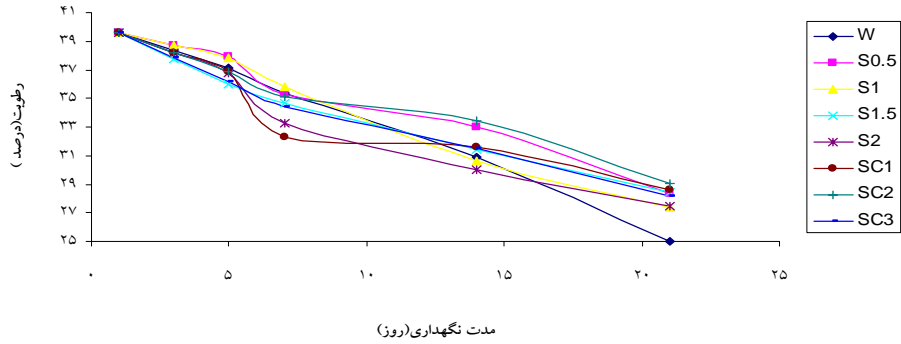


دمای ۲۰ درجه



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دمای ۳۵ درجه



()

(S2)

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()

()

(2000) Scanlon et al.

(S2)

(W)

S2

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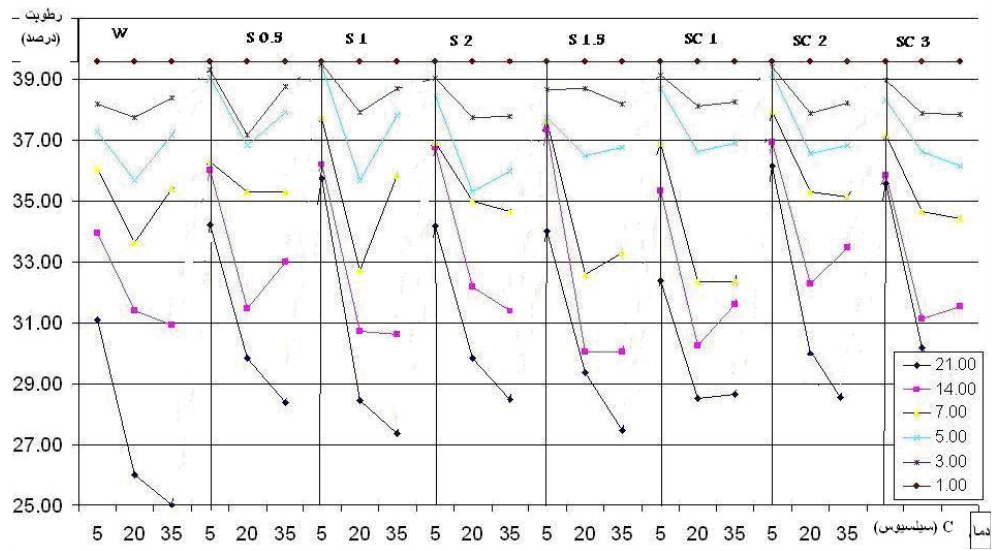
/

(W)

S2

(S2)

(2004) Michael et al., (2000) Scanlon et al.,



(Sattari Najaf Abadi et al., 2009)

(Anon., 2009)

(S2)

(ppm ppm) (SC3)
/ /

(FAO, 2010)

(Sattari Najaf Abadi *et al*, 2009)

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