

diX Oxygen permeability, Vapor transmission, & Water absorption

	Test Items	Unit	Type of film								Testing method ASTM	Epoxies	Urethanes
			diX SF	diX CF	diX C	diX N	diX D	diX HR	diX SR	diX NR			
Barrier Properties	Water Absorption (24hrs)	%	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	D570	<0.1-0.2	<0.1-1.5
	Moisture Vapor Transmission (37°C)	g•mm/m ² •24h	0.21	0.28	0.09	0.63	0.05	0.07	0.09	0.62	F1249	0.075	1.875
	O ₂ Transmission (23°C)	cm ³ •mm/m ² •24h•atm	32.2	38.9	2.1	81.1	1.0	1.9	2.0	15.0	D3985	200	625

(*1) Glass transition temperature is around 50°,there fore, diX expands abruptly around this temperature.

*diX-C,N,D,HR,SR,NR,CF, films are examined of about 25μm layer. diX-SF film is examined of 10~18μm layer.