

干燥能力参数表

The Drying Ability Consults A Form

材料 Material	干燥时间 Drying time(h)	干燥温度 Drying temperature(°C)	初期含水率 Initial moisture content	干燥能力 Drying Capacity				
				DYFD 60	DYFD 90	DYFD 120	DYFD 150	DYFD 200
ABS	3~4	80~90	0.4	13	28	37	73	110
SBS/PC	3~4	100	0.35	15	33	43	87	118
POM	2~3	90~100	0.25	26	47	71	88	118
PMMA	3~4	80	0.5	15	24	43	75	110
LONOMER	2~3	68	0.1	18	30	50	75	100
PA	4~6	70~80	0.4	11	17	30	60	90
PC	2~3	120	0.3	25	35	67	83	111
PCforCD	4	120	0.3	12	26	35	60	80
PU	3	90	0.9	25	40	50	60	100
PBT	3~4	130~140	0.3	18	28	50	83	111
PE	1~2	85	0.01	39	60	110	150	200
PET	5~6	150~180	0.3	10	20	27	40	73
PPO	2~3	100~120	0.5	19	30	55	100	133
PL	2~3	120	0.3	25	35	67	83	111
PP	1	80~90	0.5	35	44	80	100	133
PS	1	80~90	0.3	35	55	100	150	200
PSU	3~4	120~130		15	24	43	87	130
PVC	1~2	70~80	0.3	42	61	120	150	200
SAN	2~3	80	0.3	19	30	55	100	133
TPU	2~3	80~110	0.3	25	40	60	75	100
TPE	3	105		16	35	47	75	100

材料 Material	干燥时间 Drying time(h)	干燥温度 Drying temperature(°C)	初期含水率 Initial moisture content	干燥能力 Drying Capacity					
				DYFD 300	DYFD 400	DYFD 500	DYFD 800	DYFD 1000	DYFD 1200
ABS	3~4	80~90	0.4	145	220	275	460	550	825
SBS/PC	3~4	100	0.35	175	235	290	440	590	880
POM	2~3	90~100	0.25	176	235	294	441	588	882
PMMA	3~4	80	0.5	150	200	250	375	500	750
LONOMER	2~3	68	0.1	150	200	250	375	500	750
PA	4~6	70~80	0.4	120	180	225	375	450	675
PC	2~3	120	0.3	167	222	278	517	556	833
PCforCD	4	120	0.3	120	160	200	300	400	600
PU	3	90	0.9	150	200	250	400	500	750
PBT	3~4	130~140	0.3	167	222	278	417	556	883
PE	1~2	85	0.01	300	400	500	700	1000	1500
PET	5~6	150~180	0.3	107	160	200	300	400	560
PPO	2~3	100~120	0.5	200	267	333	500	667	1000
PL	2~3	120	0.3	167	222	278	417	556	883
PP	1	80~90	0.5	200	267	333	500	667	1000
PS	1	80~90	0.3	300	400	500	800	1000	1500
PSU	3~4	120~130		173	260	325	500	650	975
PVC	1~2	70~80	0.3	300	400	500	800	1000	1500
SAN	2~3	80	0.3	200	267	333	500	667	1000
TPU	2~3	80~110	0.3	150	200	250	375	500	750
TPE	3	105		150	200	250	375	500	750

备注/Notes:

1. 以上干燥能力为理想状态下使用独立的干燥料斗。
2. 再20°C的大气温度及65%的相对湿度下。

1. The above drying capacity is an independent drying hopper under ideal conditions.
2. Under 20°C atmospheric temperature and 65% relative humidity.

三级一体除湿机

3-in-1 Dehumidifier

在对吸湿性树脂成型制程中，干燥成为尤为关键的阶段，必须确保原料中的水分被除去并且干燥温度合理。定元的转轮除湿机可提供持续稳定的湿度和温度的空气，保证生产效率和品质。

TDH系列“三机一体”除湿机在一个单元中结合了干燥，除湿和两阶段输送三种功能。封闭式循环加料系统，并使用不锈钢材料（双层）提高干燥效果。定元的工业除湿机操作简单，设计合理，质量高，规格数百种，是现代工业生产中必不可少的伴侣。

With hygroscopic plastic material, drying becomes the most critical step in the process and the moisture in the material must be removed at a steady temperature. Dingyuan's honeycomb dehumidifier can deliver constant low dew-point air with maximum efficacy and quality.

The TDH series "Three-in-one" dehumidifier combine drying, dehumidifying, and two-stage conveying functions in a single unit. Which has closed recycling feeding system and used stainless steel material(double) hopper to improve the efficacy of drying. Dingyuan's industrial dehumidifier with simple operation, reasonable design, high quality and hundreds of specifications, is an indispensable companion of modern industrial production.



特点 Features

- ▶ 定元的转轮除湿机配备蜂巢转轮，造型分别分为半开放式和全密闭式两种。
- ▶ 除湿机可提供-40°C或更低的露点干燥空气。还可实现实时监控各项参数及确保露点恒定。干燥空气流量可高达4,000立方米/小时。
- ▶ 采用P.I.D.温度控制系统，可精确控制温度。可选购PLC搭配LCD触控式人机界面更方便操作及监控。
- ▶ 对于大型的除湿干燥组合，可采用空气热交换器，实现能源再利用，节能高达20%。
- ▶ Dingyuan's honeycomb dehumidifier are equipped with honeycomb rotor for dehumidifying. They have two kinds of design: Fully-integral and semi-integral depending on the size.
- ▶ Dehumidifier provide dew-point of -40°C or even lower. Also it can achieve constant detection of all the parameters and stabilize the dew-point. The largest of which can provide dry air up to a quantity of 4,000m³/hr.
- ▶ Adopts P.I.D. temperature controller to accurately control regenerative temperature. Centralized automatic control can be realized by optionally selected PLC touch screen controller.
- ▶ For centralized dehumidifier drying system, adopt heat exchanger to realize heat recycling with which 20% energy can be saved.

参数规格 Specification

型号 Model	单位 Unit	DY-TDH 80-25	DY-TDH 80-50	DY-TDH 80-75	DY-TDH 120-75	DY-TDH 120-100	DY-TDH 150-100	DY-TDH 120-150	DY-TDH 150-150	DY-TDH 150-200	DY-TDH 200-200	DY-TDH 200-300	DY-TDH 300-300	DY-TDH 300-400	DY-TDH 400-400
干燥系统 Drying System															
干燥风机 Drying blower power	KW	0.375	0.75	0.75	1.1	1.1	1.5	1.1	1.5	1.1	2.2	2.2	3.8	3.8	5.5
干燥电热 Drying heater power	KW	3	3.9	4.2	4.2	6.2	6.2	7	7	11	11	18	18	20	20
保温料桶容量 Drying hopper capacity	KG	25	50	75	75	100	100	150	150	200	200	300	300	400	400
除湿系统 Dehumidifier System															
再生风机 Regen-blower power	KW	0.25	0.25	0.25	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.75	0.75	0.75
再生电热 Regen-heater power	KW	2.7	3.8	3.8	3.8	3.8	5.4	3.8	5.4	5.4	5.4	5.4	7.2	7.2	7.2
除湿风量 Dry air capacity	m ³ /Hr	80	80	80	120	150	150	120	150	150	200	200	300	300	400
送料系统 Conveying System															
送料风机 Conveying blower power	KW	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2
吸料机配管 Dia. of conveying hose	Inch	38	38	38	38	38	38	38	38	38	38	38	38	38	38
料斗大小 Hopper capacity	L	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
尺寸 Dimensions	W/mm	1030	1100	1100	1100	1240	1240	1240	1240	1320	1320	1625	1625	1625	1625
	D/mm	785	870	870	870	940	940	940	940	1070	1070	1205	1205	1205	1205
	H/mm	2010	2135	2255	2255	2315	2315	2550	2550	2630	2630	2865	2865	3265	3265
总电力 Total Power	KW	7	9.5	9.8	10.3	12.3	14.3	13	15	15	21	28	32	34	36
重量 Weight	KG	300	365	465	495	560	595	665	695	765	795	860	900	950	1000