



DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 14471

Chimneys - System chimneys with plastic flue liners - Requirements and test methods

Manufacturer: **DINAK**
 Camiño do Laranxo, 19. 36216, VIGO (SPAIN)

Product commercial name: **DINAFLEX POLYPOPRYLENE**

Product description: Flexible Plastic chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**
0036 CPD 90220 017

Certificate number:



Designations according to EN 14471:

0.1	Flexible plastic chimney (DN ≤ 100)	EN 14471	T120	H1	O	W	2	O00	E	E	LO
	Product description										
	Standard number										
	Temperature class										
	Pressure class										
	Sootfire resistance										
	Condensate resistance class										
	Corrosion resistance class										
	Distance to combustible material										
	Location										
	Reaction to fire										
	Enclosures class										

Mechanical resistance and stability
 Tensile strength: 30 m.

Flow resistance
 Inner roughness: 5 mm (according to EN 13384-1 Standard)
 Flow resistance coefficients ζ according to EN 13384-1 Standard

Wet working conditions: Yes

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0.1 Flexible plastic chimney (DN > 100-160)	EN 14471	T120	P1	O	W	2	O00	E	E	L0	Mechanical resistance and stability Tensile strength: 30 m.
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Condensate resistance class											
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Distance to combustible material											
Location											
Reaction to fire											
Enclosures class											

	Characteristics	Units	Ref. EN 14471	Values / Levels	Remarks
1	Nominal dimensions	mm	5	80, 100	
2	Wall material				RP: TÜV-A 1650-00/07
	Quality			Polypropylene	
	Nominal thickness (minimum thickness)	mm		0,4	
3	Mechanical resistance and stability		6		
4	Thermal performance		6.2.1	According to EN 13216-1	RP: TÜV-A 1650-00/07
5	Mechanical behaviour and stability		6.2.2	30 m.	RP: TÜV-A 1650-00/07
6	Wind load resistance		6.3 7.3	Non applicable	RP: TÜV-A 1650-00/07
7	Fire resistance		6.4	None	
8	Gas tightness		6.5 7.5.1	Pressure level: DN≤100: H1 (leakage rate <0.006 L/s/m ² at 5000 Pa) DN>100-160: P1 (leakage rate <0.006 L/s/m ² at 200 Pa)	RP: TÜV-A 1650-00/07
9	Recycling		6.5.2		
10	Accidental human contact		6.6.1.2 7.6.1.2	Protection in the traffic area needed	RP: TÜV-A 1650-00/07
11	Adjacent combustible materials		6.6.1.3 7.6.1.2	Minimum distance of 0 mm	
12	Thermal resistance		6.6.2 7.6.2	None	
13	Tightness against moisture and condensate		6.6.3	The chimney is resistant	
14	Flow resistance		6.6.5 7.6.6.1	According to EN 13384-1	
15	Long-term resistance to thermal load		6.7.3 7.7.3	Long-term resistance to thermal load fulfilled	RP: TÜV-A 1650-00/07
16	Long-term resistance to condensate exposure		6.7.4 7.7.4	Long-term resistance to condensate exposure fulfilled	RP: TÜV-A 1650-00/07
17	Resistance to wet/dry cycling		6.7.5 7.7.5	Resistance to wet/dry cycling fulfilled	RP: TÜV-A 1650-00/07
18	Resistance to ultraviolet radiation (UV)		6.7.6 7.7.6	Non applicable, because the free end of the plastic flue liner is not more than 0,4 m in length exposed to UV of the sun.	
19	Geometrical stability		6.7.7 7.7.7	Fulfilled	RP: TÜV-A 1650-00/07
20	Reaction to fire		6.7.8 4.10	Fulfilled according to EN 13501-1. Class E	RP: TÜV-A 1650-00/07
21	Seals and sealants		6.7.9	EPDM. Fulfilled according to EN 14241-1	RP: TÜV-A 1639-00/07
	Density	g/c m3		1,10	
	Hardness	ShA		52	
	Lengthening strength to 100%	MPa		1,45	
	Tensile strength	MPa		12,1	
	Lengthening to breakage	%		489	

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	Characteristics	Unit s	Ref. EN 14471	Values / Levels	Remarks
	Permanent deformation	%		22	
	Dimensions			80, 100	