



# 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:

<b>0.1</b>	<b>Flexible plastic chimney (DN ≤ 100)</b>	EN 14471	T120	H1	O	W	2	O00	E	E	L0
	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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Designations according to EN 14471:

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.
Product description											<b>Flow resistance</b> Inner roughness: 5 mm (according to EN 13384-1 Standard) Flow resistance coefficients $\zeta$ according to EN 13384-1 Standard
Standard number											
Temperature class											<b>Wet working conditions:</b> Yes
Pressure class											
Sootfire resistance											
Condensate resistance class											
Corrosion resistance class											
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 <sup>2</sup> at 5000 Pa) DN>100-160: P1 (leakage rate <0.006 L/s/m <sup>2</sup> 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	

Rev.1

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