

PROTECTION SPIRALS



Technical features:

Spiral made in high-density polyethylene that is practical, quick and simple to fit and it is suitable for the protection of tube of which it can contain one or more; the raw material used has good resistance to abrasion and U.V. rays.

Working temperature:

From -50°C to +100°C (from -58°F to +212°F).


ZEC S.p.A. THERMOPLASTIC HOSES - Colorno (PR) ITALY

Nominal values

Code article	Outside Diameter	Wall Thickness	Strip width	Weight	Hose OD range
	mm	mm	mm	g/m	mm
GS128	12,0	1,5	10,0	46	10÷17
GS1612	16,0	1,5	12,0	60	12÷22
GS2016	20,0	1,8	14,5	73	16÷27
GS2520	25,0	2,0	21,0	112	22÷35
GS3227	32,0	2,0	24,0	143	27÷43
GS4036	40,0	2,5	30,0	217	33÷55
GS5044	50,0	3,0	35,0	278	42÷64
GS6356	63,0	3,5	40,0	588	52÷75
GS7567	75,0	3,4	40,0	813	65÷96
GS9080	90,0	5,0	45,0	1033	80÷125
GS110100	110,0	5,5	55,0	1200	97÷150

THERMOPLASTIC HOSES

Strada Lungolorno, 11 - 43052 COLORNO (PARMA) ITALIA
 Tel. 0521 816631-816901 - Telefax 0521 816772
 E-mail: info@zecspa.com - http: www.zecspa.com



Cap. Soc. 1.000.000,00 € i.v.
 P. IVA / Cod. Fisc. / Registro Imprese Parma 01720400348
 Cod. Id. CEE IT 01720400348

DATA SHEET TYPICAL PROPERTIES

The raw material from which *GS Protection Spiral* is produced, is manufactured from molecular weight extrusion grade polyethylene. The product exhibits extremely good environmental stress crack resistance (ERS) and conforms with the Australian Standard AS2070 – plastic material for food consumption use.

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Density	ASTM D 1505	g/cm ³	0.954
Melt index			
- 2,16kg	ASTM D 1238	g/10 min	0.1
- - 5,0kg	ASTM D 1238	g/10 min	0.56
- Carbon Black Content	ASTM D 1603	%	2~2.5
Tensile Properties	ASTM D 638 (IV)		
Tensile strength at yield (min)		kg/cm ²	230
Tensile strength at break (min)		kg/cm ²	300
Elongation at break (min)		%	500
Flexural modulus	ASTM D 790	kg/cm ²	8800
Environmental Stress Crack Resistance	ASTM D 1693	hr	1000
Condition B, F50(min)			
Hardness(min)	ASTM D 2240	shore "D"	63
Impact strength (Izod, method A, min)	ASTM D 256	kg-cm/cm	30
Brittleness temp. (min)	ASTM D 746	C	-75
Vicat softening temp.	ASTM D 1525	C	123
Oxidative Induction Time at 200 C	ISO / TR 10837	%	16
Modulus of Elasticity	ASTM D 790	min	40
Thermal conductivity	ASTM D 177	Watt/m C	0.4
Coef. of liner thermal expansion	ASTM D 696	1 C	0.00013
Specification data			
Material Classification	ASTM D 1248	-	III C 5 P34
Cell Classification	ASTM D 3350	-	345434(PE3408)

These are typical values for compression moulded specimens; the properties of these materials in extruded pipe form, or as moulded fittings will vary slightly in each individual case owing to morphological differences arising from the different processing methods.