

Pressure pipes made of PE 100 RC (Coex) for drinking water

Drinking water pressure pipes made of PE 100 RC black with blue identification layer outside (identification layer is $\geq 10\%$ of the total wall thickness):

Property	Norm	Value	Unit
Density	ISO 1183	0,96	g/cm ³
Yield stress	EN ISO 527	25	MPa
Elongation at break	EN ISO 6259	>350	%
MFI-group	DIN EN ISO 1133	003 o. 005	-
Elastic modulus	EN ISO 527	>950	MPa
Vicat-softening temperature	ISO 306	77	°C
Coefficient of thermal expansion	DIN 53752	0,2	mm/mK
Thermal conductivity	DIN 52612	0,38	W/Km
Water content	ISO 760	<0,02	%
Maximum application temperature	-	80	°C
Long term internal pressure resistance (50 years, 20 °C)	DIN 16887	10	MPa
Specific resistance	IEC 60093	1014	Ohm·m
Flammability according to UL 94	IEC 60695	HB	-

Effective norms for pipes:

Application	Norm
Basic norm	DIN 8074/75
Water supply/sewage pressure pipe	DIN EN 12201
RC-tube	PAS 1075
DVGW worksheet	GW 335-A2

In this data sheet recommended values are given. A judicial binding confirmation of the properties cannot be taken from this information.

As of 01/20