

Annexe A2 - 13

HDPE ducts for electrical networks



Product Description	Requirements	Offer
Product	High density polyethylene pipe	
Raw material	PE100	
Standard	Réf. EN 12201	
Colour	Black and red stripes	
Characteristics	Requirements	Offer
Density	$\geq 950 \text{ kg/m}^3$	
Resistance to internal pressure <u>100h/20°C/σ 12.0 MPa</u>	$\geq 100\text{h}$	
Resistance to internal pressure <u>165h/80°C/σ 5.4 Mpa</u>	$\geq 165 \text{ h}$	
Resistance to internal pressure <u>1000h/80°C/σ 5.0 Mpa</u>	$\geq 1000\text{h}$	
Thermal stability (O.I.T) at 210 °C	$\geq 20'$	
carbon black content %	2.0 ± 2.5 by mass	
carbon black dispersion	$\leq$ grade 3	
tensile stree at yield (50 mm/min) MPA	≥ 19	
Tensile elongation at break	$\geq 350 \%$	