



ZHEJIANG XINDA PLASTIC PIPE CO.,LTD.

## QUALITY CERTIFICATE

### ELECTROFUSION FITTINGS

Product + Dimensions Elbow 45° 90mm

Batch No. 131101

Production Date 2013-11-17

No.	Test Items	Requirements	Results
1	Appearance	The internal and external surfaces of the fitting shall be smooth, clean and free from scoring, cavities and other surface defects to an extent that would prevent conformity of the fitting to this standard.	Pass
2	Melt mass-flow rate (190°C, 5Kg), g/10min	Change of MFR by processing $\pm 20\%$	Pass
3	Oxidation induction time, min(200°C)	$\geq 20$	Pass
4	Decohesive resistance	Length of initiation rupture $\leq$ Length of fusion zone/3 in brittle failure	Ductile failure Pass
5	Hydrostatic strength	1) 20°C, hoop stress: 12.4Mpa, Duration: 100h	Pass
		3) 80°C, hoop stress: 5.4Mpa, Duration: 165h	Pass
		2) 80°C, hoop stress: 5.0Mpa, Duration: 1000h	Pass

Este certificado ha sido impreso desde el sitio web [www.ingemar.com.ar](http://www.ingemar.com.ar).  
Copia fiel del original.



INGEMAR  
Administración  
Tel.: 0351 - 4525213

### Raw material

Test name	Standard	Conditions	Reference Values	Results	
Density	ISO1183	23°C	$\geq 0.930 \text{Kg/m}^3$	√	Pass
Melt flow rate	ISO1133	190°C, 5KG	0.20-1.0 g/10min	√	Pass
Oxidation induction time	ISOTR10837	210°C	> 20min	√	Pass

- Certifying that the above-mentioned product meets required quality levels in the standard EN1555-3 and EN12201-3 "Plastics piping systems for water supply and the supply of gaseous fuels-Polyethylene(PE)-Part 3:Fittings" .

0800-888-5213