



ZHEJIANG XINDA PLASTIC PIPE CO.,LTD.

QUALITY CERTIFICATE

ELECTROFUSION FITTINGS

Product + Dimensions Elbow 90° 50mm

Batch No. 140201

Production Date 2014-02-19

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)	≥ 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.
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	$> 20\text{min}$	√ 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" .

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