

# सेन्टर फॉर बायोपोलिमर साईंस एण्ड टेक्नॉलाजी

(ए यूनिट ऑफ सिपेट)

रसायन एवं पेट्रोरसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
जेएनएम कैम्पस, एलूर, उद्योगमंडल पी. ओ.  
कोच्ची, केरल - 683 501.

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वेबसाइट: www.cipet.gov.in



# CENTRE FOR BIOPOLYMER SCIENCE & TECHNOLOGY

(A unit of CIPET)

Department of Chemicals & Petrochemicals,  
Ministry of Chemicals & Fertilizers, Govt. of India  
JNM Campus, Eloor, Udyogamandal P. O.  
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Issued to :

**M/s. Eurotech International LLC**

**Eurotherm PP-R-Pipes & Fittings**

**Raysut Industrial Estate**

**PO Box: 1401, Salalah-211, Sultanate of Oman.**

**Test Report No : 15028**

**Date : 30.07.2015**

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RefNo: Your letter dt. 04.07.2015 and 25.07.2015

## TEST REPORT

### PART A : PARTICULARS OF SAMPLE SUBMITTED

Nature of Sample	: PP-R fitting samples as stated by party
Grade / Variety / type / Size / Class etc.	: Nil
Brand name, if any	: Eurotherm
Declared values, if any	: Nil
Code No.	: Nil
Batch No. and date of manufacture	: Nil
Quantity	: 1. 25mm Elbow 90deg : 2 Nos. 2. 32mm Coupler : 2 Nos. 3. 25mm Tee : 2 Nos.
Mode of Packing	: Unpacked
Date of receipt of sample	: 28.01.2015
Date (s) of Performance of test	: 07.07.2015 – 30.07.2015
Sealed or not	: Not Sealed
Any other information	: Nil

### PART B: SUPPLEMENTARY INFORMATION

- Reference to sampling procedure : Supplied by the party
- Supporting documents for the measurements taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test report, if any ( to be attached ) : Nil
- Deviation from the test methods as prescribed in relevant ISS / Work instructions, if any : Nil

मुख्यालय: सिपेट, गिण्डी, चेन्नै - 600 032, Head Office: CIPET, Guindy, Chennai - 600 032

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## PART C : TEST RESULTS

### Sample 1 : 25mm Elbow 90deg

Sl. No	Clause	Name of the test	Test Method	Unit	Specified Requirement	Results Obtained
1.	5.2	Surface finish	DIN 16962 Pt. 5	--	Fittings shall have a smooth outer surface and no scorched areas due to overheating	Conformed
2.	5.3	<b>Dimensions</b>				
		i) d <sub>1</sub>	DIN 16962 Pt. 6	mm	23.9 to 24.3	24.01
		ii) d <sub>2</sub>		mm	24.2 to 24.5	24.23
		iii) t <sub>1</sub>		mm	16 (Min)	17.24
		iv) k <sub>1</sub>		mm	13.5 (Min)	13.50
		v) Out of roundness		mm	0.4 (Max)	0.13
3	5.4	Hydrostatic Pressure resistance Pressure : 64 bar Test Temp. 20° C/1 hr	DIN 16962 Pt. 5	--	Fittings shall neither fracture nor show any signs of leakage	Conformed

### Sample 2 : 32mm Coupler

Sl. No	Clause	Name of the test	Test Method	Unit	Specified Requirement	Results Obtained
1.	5.2	Surface finish	DIN 16962 Pt. 5	--	Fittings shall have a smooth outer surface and no scorched areas due to overheating	Conformed
2.	5.3	<b>Dimensions</b>				
		i) d <sub>1</sub>	DIN 16962 Pt. 6	mm	30.9 to 31.3	30.97
		ii) d <sub>2</sub>		mm	31.1 to 31.5	31.18
		iii) t <sub>1</sub>		mm	18 (Min)	19.60
		iv) k <sub>1</sub>		mm	3 (Min)	3.70
		v) Out of roundness		mm	0.5 (Max)	0.11
3	5.4	Hydrostatic Pressure resistance Pressure : 64 bar Test Temp. 20° C/1 hr	DIN 16962 Pt. 5	--	Fittings shall neither fracture nor show any signs of leakage	Conformed

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## Sample 3 : 25mm Tee

Sl. No	Clause	Name of the test	Test Method	Unit	Specified Requirement	Results Obtained
1.	5.2	Surface finish	DIN 16962 Pt. 5	--	Fittings shall have a smooth outer surface and no scorched areas due to overheating	Conformed
2.	5.3	<b>Dimensions</b>	DIN 16962 Pt. 6			
		i) $d_1$		mm	23.9 to 24.3	24.21
		ii) $d_2$		mm	24.2 to 24.5	24.36
		iii) $t_1$		mm	16 (Min)	17.22
		iv) $k_1$		mm	13.5 (Min)	13.64
		v) Out of roundness	mm	0.4 (Max)	0.06	
3	5.4	Hydrostatic Pressure resistance Pressure : 64 bar Test Temp. 20° C/1 hr	DIN 16962 Pt. 5	--	Fittings shall neither fracture nor show any signs of leakage	Conformed

## PART D : REMARKS

NB: i) The results stated above related only to the items tested.

ii) This Test Certificate shall not be reproduced except in full without the written approval.

iii) Details of test subcontracted – NIL.

  
TECHNICAL MANAGER

  
QUALITY MANAGER

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