

# Technical Specification

## Mechanical Properties

Properties	Centrifugally cast pipes
	DN 100 to DN 600
Tensile strength	Min 420 N/mm <sup>2</sup>
Elongation	Min 10 %
Hardness	Max 230 HB

## Hydrostatic Test Pressure ( K9 )

Nominal Diameter	Centrifugally cast pipes
DN 100 to DN 300	50 bar
DN 350 to DN 600	40 bar

## Protections for Pipes

Protective Layer	Type
External (1st layer)	Metallic Zinc Coating Bituminous coating Cement mortar lining
External (2nd layer)	
Internal	

DN 100 to DN 600
Push-in Joint

Pipe Rubber Ring Shape

Ductile Iron Pipe, K 9									
Nominal Diameter DN	DE	D	P	T	t	L	Mass (kg)		
							Ductile Iron Pipe	Cement Mortar Lining	Total Mass
100	118	161	100	6.0	4.0	6000	95	19	114
150	170	217	100	6.0	4.0	6000	144	35	179
200	222	274	100	6.3	4.0	6000	194	47	241
250	274	325	110	6.8	4.0	6000	255	58	313
300	326	380	110	7.2	4.0	6000	323	70	393
350	378	442	110	7.7	5.0	6000	403	81	484
400	429	500	110	8.1	5.0	6000	475	92	574
450	480	556	110	8.6	5.0	6000	569	104	673
500	532	609	110	9.0	5.0	6000	662	115	777
600	635	715	110	9.9	5.0	6000	870	140	1010

DN 100 - DN 400 also available in Class 40 upon request



**TPLI METAL CASTING INDUSTRIES SDN BHD**

Plot 30, 31 & 32, Jalan Logam 1,  
Kawasan Perindustrian Kamunting III,  
34600 Kamunting,  
Perak Darul Ridzuan.

Tel: 05-8958001/2 Fax: 05-8958000