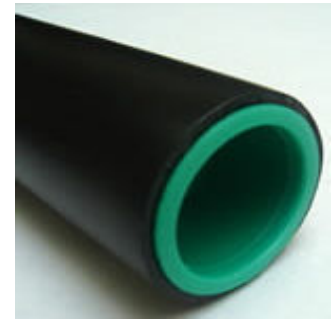




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**TRIFUSE**  
 CERTIFIED GEOTHERMAL HDPE PIPE

## PRODUCT DATA SHEET

Features	Properties	ASTM(1)	Units	Typical Values(2)
<ul style="list-style-type: none"> <li>• Excellent ESCR</li> <li>• Excellent toughness</li> <li>• High strength</li> <li>• Excellent processability</li> <li>• Very high melt strength</li> </ul>	Flow rate (3)	D 1238	g/10 min	8.5
	Density (g/cc)	D 792	g/cm	0.945
	Tensile Strength @ Yield (4)	D 638	Mpa (psi)	22.5 (3 250)
	Ultimate Elongation (4)	D 638	%	850
	Secany Flexural Modulus @ 2% Strain	D 3350	MPa (psi)	850 (125 000)
	Izod Impact Resistance @ 23°C / 73°F	D 256	J/cm (ft-lb/in)	3.7 (7)
	Hardness, Shore D	D 2240	--	60
	SCG Resistance, ESCR, Fo(5)	D 1693	hr	> 5000
	SCG Resistance, PENT	F 1473	hr	> 100
	Thermal Stability	D 3350	°C (°F)	260 (500)
Vicat Softening Point	D 1525	°C (°F)	124 (255)	
Melting Point	D 3417	°C (°F)	128 (262)	
Brittleness Temperature	D 746	°C (°F)	< -100 (< -150)	
Coefficient of Linear Thermal Expansion	D 696	cm/cm/°C (in/in/°F)	1.4x10 <sup>-4</sup> (0.8x10 <sup>-4</sup> )	
	<b>Pipe Properties (6)</b>			
	Long-Term Hydrostatic Strength,	D 2837		
	Nominal @ 23°C / 73°F		Mpa (psi)	11 (1600)
	Nominal @ 60°C / 140°F		Mpa (psi)	5.5 (800)

(1) Properties designated have been determined in accordance with the current issues of the specified testing methods.

Methods of the American Society for Testing and Materials (ASTM) are used wherever applicable.

(2) Typical Values represent average laboratory values and are intended as guides only, not as specifications.

(3) Condition 190/21.6.

(4) Extension rate 2 inches/minute.

(5) Environmental stress crack resistance, Condition C, 100% Igepal.

(6) 1 in. nominal diameter laboratory pipe SDR13.5.

**WARRANTY:** All Trinus Pipes & Tubes Ltd. products are guaranteed against defects resulting from faulty workmanship or materials. If any such product is found to be defective by reason of faulty workmanship or materials, upon written notice and return of the product, the defective product will be replaced by Trinus Pipes & Tubes Ltd. free of charge, including shipping charges for the replacement product. Claims for labour costs and other expenses required to replace such defective product or to repair any damage resulting from the use thereof will not be allowed by Trinus Pipes & Tubes Ltd. Our liability is limited to the price paid for the defective product. Trinus Pipes & Tubes Ltd. will not be bound by any warranty, other than the above set forth, unless such warranty is in writing. This literature is published in good faith and is believed to be reliable. However Trinus Pipes & Tubes Ltd. does not represent and/or warrant in any manner the information and suggestions contained in this brochure. Data presented is the result of laboratory tests and field experience.

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