



THE MOST ADVANCED NAME IN DRAINAGE SYSTEMS



November, 11, 2009

**Typical Properties for Advanced Drainage Systems Water Service Pipe products.**

MATERIAL PROPERTIES	ASTM	UNITS	TYPICAL VALUES
Cell Classification and pipe performance meets: ASTM D 2239 (IPS pipe) ASTM D 2737 (CTS pipe)	D 3350		345464C 345464E
Material Designation as listed in PPI TR4			PE 3608
Melt Index (190C/21,600g)	D 1238	g/ 10 min.	12.5
Density	D 1505	g/cm <sup>3</sup>	0.943
Tensile Strength @ yield	D 638	psi	4,500
Flexural Modulus @ 2% Secant strain	D 790 per ASTM D 3350	psi	120,000
Hardness. Shore D	D 2240	-----	68
SCG Resistance, Notched Tensile (Pent)	F 1473	Hr	>100
Brittleness Temperature	D 746	<sup>0</sup> C ( <sup>0</sup> F)	< -180 <sup>0</sup> F
Coefficient of Linear Thermal Expansion	D 696	In/In/ <sup>0</sup> F	0.00007"
HDB (Hydrostatic Design Basis) @ 73.4 <sup>0</sup> F	D 2837	psi	1600
Environmental Stress Crack Resistance (Cond. B, 10%)	D 1693	hrs	>2,000
Environmental Stress Crack Resistance (Cond. C)			>5,000
Color Identification:			
( C ) Black	D 3350	----	2 – 2.5% carbon
( E ) Color	D 3350	----	with UV stabilizer

Other specifications and code acceptance met:

AWWA C901

National Sanitary Foundation (NSF) Standards 14 and 61.

For additional information or assistance with selecting ADS Water Service pipe please contact your local ADS Sales Representative.

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