



**CHARTER PLASTICS PE 3408/3608 PIPE
MUNICIPAL & INDUSTRIAL PIPE
PRODUCT DATA SHEET**

revised 8/07

Properties	ASTM	Units	Typical values
Material Designation as listed in PPI TR4			PE 3408/3608
Melt Index (190/21.6)	D 1238	g/10 min	8.0
Density (g/cc) black	D 1505	g/cm ³	.955
Tensile Strength @ yield (ext. rate 2" per min.)	D 638	psi	>3000 (< 3500)
Secant Flexural Modulus @ 2 % Strain	D 790 as Specified In ASTM D3350	psi	>110,000 (< 160,000)
Hardness, Shore D	D 2240	-----	60
Elastic Modulus	D 638	Psi	110,000
SCG Resistance, Pent	F 1473	Hr	>100
Brittleness Temperature	D 746	°C (°F)	<-100 (<-150)
Coefficient of Linear Thermal Expansion	D 696	In/in/°F	(1.0x 10 ⁻⁴)
HDB (Hydrostatic Design Basis) @ 73.4° F @ 140° F	D 2837	psi psi	1600 800
Cell Classification	D 3350	-	345464 345464
Color Identification: (C) black (E) color	D 3350 D 3350	- -	Black with 2-2.5% carbon black Color with UV stabilizer

Charter product data sheet M&I
For Black and Black with Blue Stripes Potable Water Pipe ≥ 3"
NSF Standard 14/61