



# FLYING "W" PLASTICS

P.O. BOX 759  
GLENVILLE, WV 26351  
304-462-5779

## PRODUCT SPECIFICATION

### UTILITY SERVICE CONDUIT/DUCT

Flying "W" Plastics certifies the above product of be manufactured from select high density polyethylene copolymer (see typical properties below) and meet specifications set forth in ASTM F-2160, ASTM D-3485, ASTM F-714, NEMA TC-7, ASTM 3035 and/or ASTM D-2447. The high density polyethylene copolymers are selected specifically for use in telecommunications, electrical/power or telephone ducting, while keeping in mind the required properties to balances stiffness, ESCR and molecular weight to provide toughness and crush strength.

Property	ASTM Test Method	Typical Values	
		English	SI Units
Density	D 4883	---	0.946 g/cc
Melt Index (1)	D 1238	---	0.18/10min
Tensile Strength @ Yield (2 in/min)	D 638	3200psi	22.4 Mpa
Elongation @ Break (2 in/min)	D 638	>800%	>800%
Flexural Modulus (2)	D 790	120000psi	827 Mpa
Hardness (Shore D)	D 2240	68	68
Deflection Temperature @ 66 psi	D 648	156°F	69°C
Brittleness Temperature	D 746	<-180°F	<-118°C
OIT @ 200°C	D 3895 Mod (3)	>20 min	>20 min
Environmental Stress Crack Resistance (4)	D 1693	>1000 hrs	>1000 hrs
Environmental Stress Crack Resistance (5)	D 1693	>1000 hrs	>1000 hrs
Environmental Stress Crack Resistance (6)	D 1693	>1000 hrs	>1000 hrs
Cell Classification	D 3350	334430E	334430E

- (1) 190\* c/2160 g
- (2) 2% Secabt-Method 1
- (3) Excludes copper mesh
- (4) Condition A, F50
- (5) Condition B, F20
- (6) Condition C, F0