



CENDUCT HDPE MATERIAL DATA SHEET

CENDUCT HDPE MEETS OR EXCEEDS:

ASTM F 2160
UL 651B NEMA TC-7

TYPICAL PROPERTIES¹

CENDUCT PIPE FOR:

TELECOM AND FIBER-OPTIC,
NON-PRESSURIZED APPLICATIONS.

NOMINAL PIPE PROPERTIES

RESIN	ASTM METHOD	ENGLISH UNITS	SI UNITS
DENSITY	D 4883	-	.948 g/cc
MELT INDEX ²	D 1238	-	.30 g/10 min

NOMINAL RAW MATERIAL PROPERTIES

TENSILE STRENGTH			
@ YIELD (2 in/min)	D 638	3000 psi	20.7 MPa
@ BREAK (2 in/min)	D 638	4000 psi	27.6 MPa
ELONGATION			
@ YIELD (2 in/min)	D 638	8.0%	8.0%
@ BREAK (2 in/min)	D 638	600%	600%
FLEXURAL MODULUS ³	D 790	130,000 psi	897 MPa
HARDNESS (SHORE D)	D 2240	68	68
DEFLECTION TEMPERATURE @ 66 PSI	D 648	156° F	69° C
BRITTLINESS TEMPERATURE	D 746	<-180° F	<-118° C
OIT @ 210° C	20 min	20 min	D 3895
ENVIRONMENTAL STRESS CRACK RESISTANCE ⁴	D 1693	>1,000	>1,000
CELL CLASSIFICATION	D 3350	435430A	435430A

¹ Typical properties will vary within specification limits.

² 190° C/2160 g

³ 2% Secant-Method

⁴ Condition B, 100% Igepal, F50 (hrs.)

Centennial Plastics is an ISO 9001 certified company.

Available in Size 3/4" - 6"
SDR 11, 13.5, SCH40 & SCH80.