TECHNICAL DATA SHEET

HDPE CD492

High Density Polyethylene Pipe Resin

PIPE

RESIN PROPERTIES [1]

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.3
190°C/21.6 kg (HLMI)	–	–	24
Density	D792	g/cm^3	0.949
Melting Temperature	D3418	°F	268

MECHANICAL PROPERTIES [1] [2]

	Method	Unit	Typical Value
Tensile Strength at Yield	D638	psi	3,600
Elongation at Break	D638	%	> 600
Flexural Modulus	D790	psi	123,000
Shore Hardness, D Scale	D2240		63
ESCR (100% lgepal, F10 condition B)	D1693	hrs	>1000

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) The data listed were determined on compression-molded specimens and may, therefore, vary from specimens taken from molded articles.
(3) CD492 has a cell classification (defined in ASTM D3350) of PE435580A. When CD492 is blended with a carbon black masterbatch that results in a 2% to 4% level of carbon black in the final conduit or a colored masterbatch containing UV additives that results in outdoor storage protection of at least one year, the resulting material used in the production of conduit will exceed the minimum cell classification of PE334480C or PE334480E, respectively, as permitted in standards ASTM F2160, UL 651A, and NEMA TC-7.

CHARACTERISTICS:

- Bimodal molecular weight distribution
- Excellent processing and melt strength
- Excellent stress crack resistance
- Meets material requirements for ASTM F2160[3]

APPLICATIONS:

- Conduit
- Profile extrusion
- Corrugated pipe