TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS USA, INC.

HDPE CD 4300

Resin Properties[1]	Typical Value	ASTM Method
Melt Flow Index, g/10 min		D 1238
190°C/2.16 kg	0.28	
190ºC/21.6 kg (HLMI)	20.0	
Density, g/cm^3	0.947	D 792
Melting Point, ºF	259	D 3417
Mechanical Properties[1][2]		
Tensile Strength at Yield, psi	3,300	D 638, Type IV specimen, 2 in/min
Elongation @ Break, %	> 600	D-638, Type IV Specimen, 2 in/min
Flexural Modulus @ 2% Strain, psi	115,000	D 790
Shore Hardness, D Scale	63	D 2240
ESCR[3], hrs	>1,000	D 1693, cond. C; 100% Igepal
ASTM Cell Classification	335440	D3350

Processing Recommendations

Extruder Temperature Range	380 – 420°F
Melt Temperature During Processing	400°F

Polyethylene:

High Density Specialty Extrusion Resin

Characteristics

- Excellent stress crack resistance
- Good impact strength
- Excellent processability
- Excellent resistance to long term heat aging

Applications

- General profile extrusion
- Irradiation-crosslinked products

HDPE CD 4300 09/2005

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) The data listed was determined on press molded specimens and may, therefore, vary from specimens taken from pipes.
(3) Environmental Stress Crack Resistance (ESCR)

1201 Louisiana Street
Suite 1800
Houston, TX 77002

P.O. Box 674411
Houston, TX 77267-4411

Phone: (713) 483-5241
Fax: (713) 483-5252

1-800-344-3462