



Exelene[®] HDPE

Product Data Sheet

**High Density Polyethylene
HMW Bimodal Resin**

PE80

Melt Flow Rate **0.04**

Density **0,949**

Applications

- Corrugated pipe
- Non pressure pipe extrusion

Characteristics

- The Exelene resin HDPE PE80 meets the requirements of section 177.1520, paragraph C, from chapter 21 denominated “Olefin Polymers” from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	Condition E D 1238 (190°C; 2,16 kgf)	g/10 min	0.04
	Condition F D 1238 (190°C; 21,6 kgf)	g/10 min	8.50
Density	D 792 (23°C)	g/cm ³	0.949
Nominal Physical Properties			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	3,600
Elongation @ break	D 638 (50 mm/min, IV)	%	600
Tensile Impact Strength	D 1822 (S)	ft x lb / in ²	115
Brittleness Temperature	D 746A (F50; 25 lbfXin)	°C	180
ESCR	Condition A ⁽¹⁾ D 1693A (F50; 3,1 mm)	h	500
	NCTL 15% F2136	h	400

<http://www.montachem.com>