



Exelene® MDPE

Product Data Sheet

16036

Medium Density Polyethylene

Extrusion Cast film - Geomembranes

Hexene Copolymer

Melt Flow Rate **0.16**

HLMI **16**

Density **0.936**

Applications

- Mining, Pond, Landfill liners and films
- Geomembranes, Industrial film

Characteristics

- The Exelene resin MDPE 16036 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.
- Good processability, High stress cracking resistance, excellent melt strenght

Grade	
Exelene MDPE 16036	

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	D 1238 (190°C; 2.16 kgf)	g/10 min	0.16
HLMI	D 1238 (190°C; 21.6 kgf)	g/10 min	16
Density	D 792 (23°C)	g/cm ³	0.936
Properties in standard test tubes by compression molding			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	2,800
Elongation @ break	D 638 (50 mm/min, IV)	%	>700
Vicat Softening Point	D 1525A (50°C/h; 1.0 kgf)	°C	115
Flexural Modulus	D 790	psi	110,000
ESCR	Condition A ⁽¹⁾ D 1693B (F50; 1.9 mm)	h	>1500

(1) Condition A: 100 % Igepal

