



# Exelene<sup>®</sup> LLDPE

Product Data Sheet

**Linear Low Density Polyethylene**  
**Hexene copolymer**  
**Rotational Molding**

**5000UV**

Melt Flow Rate **5**

Density **0.938**

**Applications**

- Rotational molding applications
- Water tanks and other Items

**Characteristics**

- The Exelene resin LLDPE 5000UV 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.

Grade	Additives Package
Exelene LLDPE 5000UV	UV > 16

Properties	ASTM Testing	Units	Values
<b>Resin Properties</b>			
Melt Flow Rate	MFI <sub>2</sub> D 1238 (190°C; 2,16 kgf)	g/10 min	5
Density	D 792 (23°C)	g/cm <sup>3</sup>	0.938
ESCR 10% Igepal Cond.B F50	D 1693	h	155
ESCR 100% Igepal Cond.B F50	D 1693	h	>900
Flexural Modulus (1% secant)	D 790	psi	128,000
Tensile Strength @ break	D 638	psi	1700
Tensile Strength @ yield	D 638	psi	3000
Elongation @ break	D 638	%	300
Elongation @ yield	D 638	%	8
<b>Thermal Properties</b>			
Vicat	D 1525	°C/°F	119/247
Melting Point	D 3417	°C/°F	126/259

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