



Exelene[®] LLDPE

Product Data Sheet

Linear Low Density Polyethylene
Hexene copolymer
Rotational Molding

5000UV

Melt Flow Rate **5,0**

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
Resin Properties			
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	5.00
Density	D 792 (23°C)	g/cm ³	0.938
ESCR 10% Igepal	D 1693 Cond.B	F50	155H
ESCR 100% Igepal	D 1693 Cond.B	F50	>900H
Tensile Strength @ break	D 638	psi	1700
Tensile Strength @ yield	D 638	psi	3000
Elongation @ break	D 638	%	300
Elongation @ yield	D 638	%	8
Flexural Modulus (1% secant)	D 790	psi	128,000
Melting Point	D 3417	°C/°F	126/259
Vicat	D 1525	°C/°F	119/247

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