



Exelene® LLDPE

Product Data Sheet

Linear Low Density Polyethylene

Hexene copolymer

Rotational Molding

3500RUV

Melt Flow Rate 3.5

Density 0.938

Applications

- Rotational molding applications
- Agricultural storage tanks, Potable water tanks, Chemical containers

Characteristics

- The Exelene resin LLDPE 3500RUV 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.
- Excellent processability, low warpage and good mechanical properties

Grade	Additives Package
Exelene LLDPE 3500RUV	UV Stabilizer - UV 20

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	3.5
Density	D 792 (23°C)	g/cm ³	0.938
Melting Point	D 3417	°C/°F	126/259
Elongation at yield	D 638	%	11
Tensile Strength @ yield	D 638	psi	2800
Flexural Modulus (1% secant)	D 790	psi	112,000
ESCR 100% Igepal, F50	D 1693	hs	> 1,000

