



Exelene® LLDPE

Product Data Sheet

Linear Low Density Polyethylene

Hexene copolymer

Rotational Molding

4000RUV

Melt Flow Rate 4

Density 0.937

Applications

- Rotational molding applications
- Excellent processability, low warpage and good mechanical properties

Characteristics

- The Exelene resin LLDPE 4000RUV 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 4000RUV	UV

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	4
Density	D 792 (23°C)	g/cm ³	0.937
Tensile Strength @ break	D 638	psi	1600
Tensile Strength @ yield	D 638	psi	2900
Flexural Modulus (1% secant)	D 790	psi	125,000
Melting Point	D 3417	°C/°F	126/259
ESCR	Condition B ⁽¹⁾ D 1693B		> 900

(1) Condition B 100% IGEPAI, 50° C, F50 values. From compression molded specimens.

