

Eltex® LL2635UA

Linear Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® LL2635UA is a linear low density polyethylene grade, supplied in pellet form for use as a rotational moulding grade.

Typical applications

Rotational moulded items with good flexibility

Benefits and Features

Very good flexibility

Very high impact strength

Very high environmental stress cracking resistance

Excellent external and internal surface finish

UV stabilized

General Information			
Additive	UV Stabilizer		
Features	Good Flexibility		
	Good Surface Finish		
	High ESCR (Stress Crack Resist.)		
	Ultra High Impact Resistance		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.926	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.3	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (50°C, 10% Igepal)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	52		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	450	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	14.0	MPa	ISO 527-2/2/100
Tensile Strain			
Break, 23°C	> 500	%	ISO 527-2/2/100
Break, 23°C, 8.00 mm, Rotational Molded	> 100	%	ISO 527-2/1B/50
Flexural Modulus (23°C)	500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	No Break		ISO 179/1eB
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	54.0	°C	ISO 75-2/B
Vicat Softening Temperature	107	°C	ISO 306/A
Peak Melting Temperature	125	°C	ASTM D2117
Specific Heat	2300	J/kg/°C	
Thermal Conductivity	0.48	W/m/K	ASTM C177
NOTE			

1. Annealed

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