



# Eltex® LL2635UA

## Product Technical Information

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

Properties	Test Methods	Values	Units
<b>Physical</b>			
Density (annealed)	ISO 1872	926	kg/m <sup>3</sup>
Melt Flow Rate      2.16 kg load	ISO 1133	3.3	g/10min
<b>Mechanical</b>			
Tensile Strength      @ Yield (23°C Type 2 Speed D)	ISO 527	14	MPa
Elongation            @ Break (23°C Type2 Speed D)	ISO 527	> 500	%
Elongation            @ Break (23°C Type 1B Speed 50 mm/min) <sup>(1)</sup>	ISO 527	> 100	%
Flexural Modulus (23°C)	ISO 178	500	MPa
Tensile Modulus (23°C)	ISO 527	450	MPa
Charpy Impact Strength	ISO 179/1eb	no failure	kJ/m <sup>2</sup>
Hardness Shore (D)	ISO 868	52	-
BTT Stress Crack Resistance (50°C/10% Igepal)	ASTM D 1693	> 1000	h
<b>Thermal</b>			
Melting Point	ASTM D 2117	125	°C
Vicat Softening Point (A)	ISO 306	107	°C
HDT <sup>(2)</sup>	ISO 75-2	54	°C
Thermal conductivity	ASTM C 177	0.48	W/m <sup>2</sup>
Specific Heat	-	2300	J/kg °C

(1) Rotomoulded specimen – thickness 8 mm.

(2) Heat Deflection Temperature under 0.45 MPa.

The values given are typical values measured on the product. These values should not be considered as specification.