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ELTEX® LL2635UA

Product Technical Information

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

Benefits & Features

- Very good flexibility
- Very high impact strength
- Very high environmental stress cracking resistance
- Excellent external and internal surface finish
- Enhanced level of UV stability

Applications

- Rotational moulded items with good flexibility

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	3.3	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	926	kg/m³
Mechanical				
Tensile Strength at Yield	23°C Type 2 Speed D	ISO 527	14	MPa
Tensile Strain at Break	23°C Type 2 Speed D	ISO 527	>500	%
Tensile Strain at Break*	23°C Type 1B Speed 50 mm/min	ISO 527	>100	%
Flexural Modulus	23°C	ISO 178	500	MPa
Tensile Modulus	23°C	ISO 527	450	MPa
Charpy Impact Strength		ISO 179-1/1eB	No failure	kJ/m2
Hardness Shore D		ISO 868	52	-
BTT Stress Crack Resistance	50°C, 100% Igepal	ASTM D 1693	>1000	h
Thermal				
Melting Temperature DSC	10°C /min	ISO 11357-3	125	°C
Vicat Softening Temperature	10N	ISO306/A50	107	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2/B	54	°C
Thermal Conductivity		ASTM C 177	0.48	W/m°C
Specific Heat		-	2300	J/kg °C

Data should not be used for specification work

* Rotomoulded specimen – thickness 8 mm.

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.