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
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**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.

Regulatory Information
The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information
The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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