ELTEX® HD4330UA

Product Technical Information

ELTEX® HD4330UA is a linear medium density polyethylene grade supplied in pellet form for use in rotational moulding. It has been specifically formulated to meet the UV resistance requirements of the EN13341 standard (10700 hours).

Benefits & Features

- Good impact strength
- Improved stiffness
- Good environmental stress cracking resistance
- Enhanced level of UV stability

Applications

- Rotational moulded items with improved stiffness
- Drainage parts, inspection chambers
- All tank applications

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	3.0	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	943	kg/m³
Mechanical				
Tensile Strength at Yield	23°C Type 1BA	ISO 527-1,-2	21	MPa
Tensile Strain at Break*	23°C Type 1B Speed 50 mm/min	ISO 527-1,-2	>100	%
Flexural Modulus	23°C	ISO 178	900	MPa
Tensile Modulus	23°C	ISO 527-1,-2	870	MPa
Charpy Impact Strength		ISO 179-1/1eB	80	kJ/m2
Hardness Shore D		ISO 868	63	-
BTT Stress Crack Resistance	50°C, 100% Igepal	ASTM D 1693	400	h
Thermal				
Melting Temperature DSC	10°C /min	ISO 11357-3	128	°C
Vicat Softening Temperature	10N	ISO306/A50	119	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2/B	75	°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.