



RIGIDEX[®] HD3855UA

Product Technical Information

RIGIDEX[®] HD3855UA is a linear medium density polyethylene grade, supplied in pellet form for use in rotational moulding.

Benefits & Features

- Good impact strength and stiffness
- Good environmental stress cracking resistance
- UV stabilised (not guaranteed to EN13341 standard)

Applications

- General purpose rotationally moulded articles

Properties	Conditions	Test Methods	Values	Units
Physical				
Density		ISO1183-1 & ISO 1872-1	938	kg/m ³
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	5.0	g/10min
Mechanical				
Tensile Strength at Yield	23°C Type 1BA	ISO 527-1,-2	19	MPa
Flexural Modulus	23°C	ISO 178	740	MPa
Tensile Modulus	23°C	ISO 527-1,-2	740	MPa
Thermal				
Melting Temperature DSC	10°C /min	ISO 11357-3	127	°C
Vicat Softening Temperature	10N	ISO306/A50	116	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2/B	64	°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				

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.