

HD eco-tech[®] RM 20436 UV

Technical data sheet
LMDPE

Description

HD eco-tech[®] RM 20436 UV is a linear medium density polyethylene and contains an excellent antioxidants and UV stabilization package. Designed for rotational moulding applications. Products produced with HD eco-tech[®] RM 20436 UV show good mechanical properties and high environmental stress crack resistance.

Application

Small to medium tanks for water, diesel and chemical storage, IBC's
Automotive industry
Technical products

Characteristics

	Test method	Parameter	Value	Unit
Physical properties				
Melt Flow Index	ISO 1133/D	190 °C/ 2,16 kg	4	g/10 min
Density	ISO 1183	23 °C	0,936	g/cm ³
Thermal properties				
Vicat Softening Point	ISO 306	50N – 50 °C per hour	114	°C
Mechanical properties				
Tensile strength at yield	ISO 527-2	50 mm/min	18	MPa
Tensile strength at break	ISO 527-2	50 mm/min	21	MPa
Elongation Strength at break	ISO 527-2	50 mm/min	>700	%
Flexural Modulus	ISO 178	2,8 mm/min	690	MPa
Impact behaviour	ISO 6603-2		22	J/mm
ESCR	ISO 22088		>350	h
Hardness Shore D	ISO R 868		54	kJ/m ²

Available as

Microgranules, Granules, Powder
Natural, Black and Colour compounds

Packaging

25 kg bags / pal. à 1375 kg (microgranules)
20 kg bags / pal. à 1200 kg (powder)
25 kg bags / pal. à 1375 kg (granules)
1000 kg big bags (microgranules and granules)

Processing recommendations

Suggested processing temperature 200 – 280 °C, depending on size and wall thickness of end product and the residence time in the mould.

The information and recommendations contained in this document are based upon data collected and present state of knowledge and are believed to be reliable and accurate. They do not however, exempt the customer from performing his own test to determine the suitability of the products supplied for the intended purpose.