HD eco-tech® RM 20935 UV

Technical data sheet
LMDPE

Description

HD eco-tech® RM 20935 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 20935 UV show good mechanical properties and have excellent surface aspects.

Application

Leisure products, such as sports products and toys
Designer products, Light balls
Technical products and small hardly shaped products

Characteristics

	Test method	Parameter	Value	Unit
Physical properties				
Melt Flow Index	ISO 1133/D	190 °C/ 2,16 kg	9	g/10 min
Density	ISO 1183	23 °C	0,935	g/cm^3
Thermal properties				
Vicat Softening Point	ISO 306	50N – 50 °C per hour	113	°C
Mechanical properties				
Tensile strength at yield	ISO 527-2	50 mm/min	17	MPa
Tensile strength at break	ISO 527-2	50 mm/min	16	MPa
Elongation Strength at break	ISO 527-2	50 mm/min	>700	%
Flexural Modulus	ISO 178	2,8 mm/min	600	MPa
ESCR-1	ASTM D1693	50 °C / 10 % Antarox	>500	h
ESCR-2	ASTM D1693	50 °C / 100 % Antarox	>1000	h
Hardness Shore D	ISO R 868		53	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.

Technical data HD eco-tech® RM 20935 UV

HD Kunststoffe GmbH
Ein Unternehmen der Grafe-Group
Am Eichholz 30
D-42897 Remscheid
☎: +49 2191 592 130
🖷: www.hd-kunststoffe.com

Issue date : 20-01-2015

HD-Kunststoffe is member of Association of Rotational Moulding Central Europe e.V