

HD eco-tech® RM PPL 111050 UV

Technical data sheet
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Description

HD eco-tech® RM PPL 111050 UV is a nucleated random copolymer polypropylene and contains an excellent antioxidants and UV stabilization package. Designed for rotational moulding applications. Products produced with HD eco-tech® RM PPL 111050 UV show high transparency and excellent surface appearance.

Application

Luminous elements
Technical parts (resistant to diesel, petrol, acids and bases)
Heat exchanger

Characteristics

	Test method	Parameter	Value	Unit
Physical properties				
Melt Flow Index	ISO 1133/D	230 °C/ 2,16 kg	11	g/10 min
Density	ISO 1183	23 °C	0,902	g/cm ³
Thermal properties				
Vicat Softening Point	ISO 306	50N – 50 °C per hour	66	°C
Vicat Softening Point	ISO 306	10N – 50 °C per hour	125	°C
Melting Point	ISO 3146		140	°C
Mechanical properties				
Tensile strength at yield	ISO 527-2	50 mm/min	22	MPa
Tensile Modulus	ISO 527-2	50 mm/min	1150	MPa
Elongation Strength at yield	ISO 527-2	50 mm/min	18	%
Flexural Modulus	ISO 178	2,8 mm/min	1050	MPa
Izod Impact strength (notched)	ISO 180	+ 23°C	32	kJ/m ²
Hardness Shore D	ISO R 868		60	kJ/m ²

Available as

Microgranules
Natural, Black and Colour compounds

Packaging

25 kg bags / pal. à 1375 kg
1000 kg big bags

Processing recommendations

Suggested processing temperature 230 – 300 °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.

HD Kunststoffe GmbH

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



HD Kunststoffe is member of
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Central Europe e.V

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