

HD eco-tech[®] RM PPL 114800 UV

Technical data sheet
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Description

HD eco-tech[®] RM PPL 114800 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 114800 UV show high transparency and excellent surface appearance.

Application

Marine products (kayaks, boats, canoes and buoys)
Technical parts
Mud guards

Characteristics

	Test method	Parameter	Value	Unit
Physical properties				
Melt Flow Index	ISO 1133/D	230 °C/ 2,16 kg	14	g/10 min
Density	ISO 1183	23 °C	0,900	g/cm ³
Thermal properties				
Vicat Softening Point	ISO 306	50N – 50 °C per hour	60	°C
Vicat Softening Point	ISO 306	10N – 50 °C per hour	114	°C
Melting Point	ISO 3146		126	°C
Mechanical properties				
Tensile Strength at yield	ISO 527-2	50 mm/min	15	MPa
Tensile Modulus	ISO 527-2	50 mm/min	870	MPa
Elongation Strength at yield	ISO 527-2	50 mm/min	35	%
Flexural Modulus	ISO 178	2,8 mm/min	780	MPa
Izod Impact Strength (notched)	ISO 180	+ 23°C	69	kJ/m ²
Hardness Shore D	ISO R 868		46	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.

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HD Kunststoffe is member of
Association of Rotational Moulding
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