

HD eco-tech[®] RM PPC 316140 UV

Technical data sheet
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Description

HD eco-tech[®] RM PPC 316140 UV is a polypropylene block copolymer, and contains an excellent antioxidants and UV stabilization package. Designed for rotational moulding applications. Products produced with HD eco-tech[®] RM PPC 316140 UV show high impact strength at low and higher temperatures. These products combine also high stiffness (flexural modulus) and deforming resistance at higher temperatures (150 °C).

Application

Medium size parts (with thin walls)
Water tanks, heat exchanger
Manholes and container

Characteristics

	Test method	Parameter	Value	Unit
Physical properties				
Melt Flow Index	ISO 1133/D	230 °C/ 2,16 kg	16	g/10 min
Density	ISO 1183	23 °C	0,905	g/cm ³
Thermal properties				
Vicat Softening Point	ISO 306	50N – 50 °C per hour	76	°C
Vicat Softening Point	ISO 306	10N – 50 °C per hour	129	°C
Melting Point	ISO 3146		132	°C
HDT	ISO 752	1,80 MPa – 120 °C per hour	50	°C
HDT	ISO 752	0,45 MPa – 120 °C per hour	85	°C
Mechanical properties				
Tensile strength at yield	ISO 527-2	50 mm/min	20	MPa
Elongation Strength at yield	ISO 527-2	50 mm/min	12	%
Elongation Strength at break	ISO 527-2	50 mm/min	10	%
Flexural Modulus	ISO 178	2,8 mm/min	1400	MPa
Izod Impact strength (notched)	ISO 180	+ 23°C	26	kJ/m ²
Izod Impact strength (notched)	ISO 180	- 20°C	7	kJ/m ²
Hardness Shore D	ISO R 868		62	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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Issue date : 20-01-2015