

Technical properties

Material ref.: **rPPT-h10 AF**



Description:

rPPT-h10 AF is a grade based on high MFI homopolymer polypropylene with 10 wt% talc. Filtered at 250 µm, other filter fineness available at request. Naturally greyish, coloured in black. Developed for injection moulding applications where good stiffness is required together with good processability:

Physical Properties			
Property	Test Method	Typical Value	Units
Melt Flow Index (MFI)	ISO 1133 (190 °C / 2.16 kg)	10.5 -11.5	g/10 min
Density	ISO 1183	0.98 – 1.00	g/cm ³
Shore D Hardness	ISO 868	62 – 63	-

Mechanical Properties			
Property	Test Method	Typical Value	Units
Tensile Modulus	ISO 527-2/1A/1	1,350 – 1,450	MPa
Tensile Strength at Yield	ISO 527-2/1A/50	24 – 26	MPa
Tensile Elongation at Break		> 40	%
Charpy Notched Impact Strength (23 °C)	ISO 179-1/1eA	> 3	kJ/m ²

Notes:

- All properties, except MFI tests, are conducted on ISO type 1-A injection moulded test specimens.
- Typical Values are representative mean values.

Disclaimer:

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