

TECHNICAL – DATA SHEET

RONALEN M40



Charakteristics: Polypropylene, type reinforced with 40% micropulverized talc, natural, optimal flow properties. Suitable for injection mouldings with increased requirements to rigidity and strength.

Processing: Injection moulding, melt temperatu-

re 230-240°C, mould temperature 40-60°C, containing substances extractable by water up to 0,1 %, drying temperature max. 80°C.

Packaging: PE bags á 25 kg dispatched on palett, weight 500 kg

PROPERTIES		NORM	UNIT	RONALEN M40 natural
MECHANICAL	Tensile yield stress	ISO 527	MPa	
	Tensile stress at break	ISO 527	MPa	28
	Tensile modulus	ISO 527	MPa	4000
	Flexural modulus	ISO 178	MPa	4200
	Impact strength Charpy (23 °C)	ISO 179/1eU	kJ.m ⁻²	14
	Notch impact strength Charpy (23 °C)	ISO 179/1eA	kJ.m ⁻²	2.5
THERMAL	Temp. of deflection under load (1,8 MPa)	ISO 75	°C	
	Temp. of deflection under load (0,45 MPa)	ISO 75	°C	
	Vicat softening point	ISO 306	°C	158
PHYSICAL	Density	ISO 1183	g.cm ⁻³	1,26
	Melt flow index (230°C/2,16 kg)	ISO 1133	g/10 min	10
	Shrinkage – along flow		%	
	Shrinkage – across flow		%	

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