

Ottensteiner Kunststoff GmbH & Co. KG



OKULEN®

plastics for industry

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Characteristics and standard values	PP (Polypropylene)	PP (Polypropylene)	
Material	grey - RAL 7032	natural	
Mechanical Properties			
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Density ISO 1183-1	g/cm ³	0,91	0,905
Notched Impact strength, Charpy(a _{CU}) ISO 179/1eU / U-Notch	kJ/m ²	11	---
Melt flow rate MFR 230/2,16 ISO 1133	g/10 min.	0,3	0,3
Melt flow rate MFR 230/5 ISO 1133	g/10 min.	1,2	---
Tensile strength at yield, ISO 527 50 mm/min.	N/mm ²	31	33
Tensile Modulus, ISO 527 50 mm/min.	N/mm ²	1350	1450
Ball indentation hardness, DIN/ISO 2039 Test force: 358N	N/mm ²	67	66
Shore D, 3-s-value 6mm plate ISO 868		72	71
Thermal Properties			
Melt temperature DSC ISO 3146	°C	164-167	
Thermal conductivity DIN 52612, at 20°C	W/m*K	0,22	
Permanente operation temperature, max.	°C	100	
Coefficient of linear expansion DIN 53752	23 - 80 °C	1 * 10 ⁻⁴ - 2 * 10 ⁻⁴ /K	
Electrical Properties			
Volume resistivity IEC 60093 / VDE 0303 part 30	Ω*cm	>10 ¹⁵	>10 ¹⁵
Surface resistivity IEC 60093 / VDE 0303 part 30	Ω	>10 ¹⁵	>10 ¹⁵

The above data are based on the present knowledge and are given without guarantee.

Existing laws and conditions are to be respected by the user of our products.

Further compositions or approvals on request!