

# TECHNICAL DATA SHEET

## ROMILOY<sup>®</sup> 1015/01 F

# ROMIRA

PC/ABS, injection moulding grade, easy-flowing, high-impact, high heat resistance, meets requirements FMVSS 302 B, DBL 5307.10, BMW 601 21.0, VW TL 1010

PROPERTY	Test Method	Condition	Unit	Value*
<b>MECHANICAL.....</b>				
Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	2,250
Tensile Strength	DIN EN ISO 527	50 mm/min 23 °C	MPa	58
Tensile Strain at Break	DIN EN ISO 527	50 mm/min 23 °C	%	9
Elongation at Break	DIN EN ISO 527	50 mm/min 23 °C	%	> 50
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	2,270
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	88
Flexural Strength at 3.5% Strain of the outer Fiber	DIN EN ISO 178	2 mm/min 23 °C	MPa	76
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m <sup>2</sup>	35
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm -30 °C	kJ/m <sup>2</sup>	20
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m <sup>2</sup>	n.b.
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm -30 °C	kJ/m <sup>2</sup>	n.b.
<b>PHYSICAL.....</b>				
Density	DIN EN ISO 1183	23 °C, 50 % RH	g/cm <sup>3</sup>	1.15
Water Absorption	DIN EN ISO 62	23 °C, 50 % RH, 24 h	%	-
<b>THERMAL.....</b>				
Heat deflection temperature (HDT/A)	DIN EN ISO 75-1	1,8 MPa	°C	105
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	130
Melt Mass-Flow Rate (MFR)	DIN EN ISO 1133	260 °C, 5 kg	g/10 min	33
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	0.4 - 0.7
Flammability (own test)	UL94	1.5 mm	--	HB
Burning Rate	DIN 75200	3 mm	mm/min	20

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