Technical Data Sheet

ROTEC® ASA T 115/03

Extrusion and injection moulding grade, impact-resistant, high heat resistance, excellent weathering resistance, low-emission

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***
Mechanical				
Tensile Modulus	MPa	DIN EN ISO 527	23°C 1 mm/min	2,700
Tensile Strength	MPa	DIN EN ISO 527	23°C 50 mm/min	50
Elongation at Break	%	DIN EN ISO 527	23°C 50 mm/min	18
Flexural Modulus	MPa	DIN EN ISO 178	23°C 2 mm/min	2,500
Flexural Strength	MPa	DIN EN ISO 178	23°C 2 mm/min	80
Notched Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23°C	12
Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23°C	n.b.
Physical				
Density	g/cm³	DIN EN ISO 1183	23°C, 50% RH	1.07
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	0.3
Thermal				
Heat Distortion Temperature A	°C	DIN EN ISO 75/1	1.8 MPa	80
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 N 50°C/h	103
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	220°C, 10 kg	7
Thermal Conductivity	W/(K·m)	DIN 52612	--	-
Thermal Coefficient of Linear Expansion	$10^{-4} \cdot K^{-1}$	ISO 11359-2	23°C - 55°C	-
Processing Shrinkage	%	DIN EN ISO 294-4	23°C	0.3 - 0.6
Flammability (own testing)	--	UL94	1.5 mm	HB
Burning Rate	mm/min	DIN 75200	2.0 mm	< 100

* = These are average figures, which could vary in each production batch due to addition of pigments, antistatica, slip, uv stabilizer or other.

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