Technical Data Sheet

ROTEC® ASA T 115/03

ROMIRA
ENGINEERING POLYMERS

Extrusion and injection moulding grade, high heat resistance, high impact, good UV resistance, low emission

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***	**Remarks**
Mechanical.....					
Tensile Modulus	MPa	ISO 527	23℃ 1 mm/min	2,700	
Tensile Strength	MPa	ISO 527	23℃ 50 mm/min	50	
Elongation at Break	%	ISO 527	23℃ 50 mm/min	18	
Flexural Modulus	MPa	ISO 178	23℃ 2 mm/min	2,500	
Flexural Strength	MPa	ISO 178	23℃ 2 mm/min	80	
Impact Strength Notched (Charpy)	kJ/m²	ISO 179 1eA	80 x 10 x 4 mm 23℃	12	
Impact Strength (Charpy)	kJ/m²	ISO 179 1eU	80 x 10 x 4 mm 23℃	n.b.	
Physical.....					
Density	g/cm³	ISO 1183	23℃, 50% RH	1.07	
Water Absorption	%	ISO 62	23℃, 24 h	0.3	
Thermal.....					
Heat Distortion Temperature (HDT A)	℃	ISO 75	1.8 MPa	80	
Vicat Softening Temperature (B 50)	℃	ISO 306	50℃/h 50 N	103	
Melt Flow Rate MFR	g/10 min	ISO 1133	220℃ 10 kg	7	
Thermal Conductivity	W/(K·m)	DIN 52612		0.18	
Linear Thermal Expansion	$10^{-4} \cdot K^{-1}$	ISO 11359-2	23℃ - 55℃	0.85	
Moulding Shrinkage	%	ISO 294-4	23℃	0.3 - 0.6	
Flammability (own test)	Class	UL 94	1.5 mm	HB	

* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

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