Technical Data Sheet

ROMILOY® 3020/11

ROMIRA ENGINEERING PLASTICS

ASA/PA 7-Blend, high-impact, UV stabilized

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***	
Mechanical				dry as moulded	conditioned
Tensile Modulus	MPa	DIN EN ISO 527	23°C 1 mm/min	1,800	1,300
Tensile Strength	MPa	DIN EN ISO 527	23°C 50 mm/min	39	36
Elongation at Break	%	DIN EN ISO 527	23°C 50 mm/min	> 150	> 240
Flexural Modulus	MPa	DIN EN ISO 178	23°C 2 mm/min	-	-
Flexural Strength	MPa	DIN EN ISO 178	23°C 2 mm/min	68	-
Notched Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23°C / -30°C	68 / 18	-
Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23°C / -30°C	n.b. / n.b.	-
Physical					
Density	g/cm³	DIN EN ISO 1183	23°C, 50% RH	1.09	
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	0.9-1.0	
Thermal					
Heat Distortion Temperature B	°C	DIN EN ISO 75/1	0.45 MPa	95	
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 N 50°C/h	115	
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	260°C, 5 kg	19	
Thermal Conductivity	W/(K·m)	DIN 52612	--	0.28	
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	0.5 - 0.8	
Flammability (own testing)	--	UL94	--	HB	

* = 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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