Technical Data Sheet

ROMILOY® 3020/07

ASA/PA 6-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	1,700	1,200
Tensile Strength	MPa	DIN EN ISO 527	23°C 50 mm/min	37	34
Elongation at Break	%	DIN EN ISO 527	23°C 50 mm/min	> 100	> 200
Flexural Modulus	MPa	DIN EN ISO 178	23°C 2 mm/min	-	-
Flexural Strength	MPa	DIN EN ISO 178	23°C 2 mm/min	58	-
Notched Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23°C / -30°C	60 / 11	-
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	1.06	
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	1.0	
Thermal					
Heat Distortion Temperature B	°C	DIN EN ISO 75/1	0.45 MPa	89	
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 N 50°C/h	105	
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	260°C, 5 kg	15	
Thermal Conductivity	W/(K·m)	DIN 52612	--	0.25	
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	0.6 - 0.9	
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.

ROMIRA GMBH