

Romiloy® 3020/01 M10

Acrylonitrile Styrene Acrylate + Nylon

ROMIRA GmbH

Message:

Romiloy® 3020/01 M10 is an Acrylonitrile Styrene Acrylate + Nylon (ASA+Nylon) material filled with 10% mineral. It is available in Europe.

Important attributes of Romiloy® 3020/01 M10 are:

Flame Rated

Impact Resistant

Scratch Resistant

UV Stabilized

General Information				
Filler / Reinforcement	Mineral,10% Filler by Weight			
Additive	UV Stabilizer			
Features	High Impact Resistance			
	High Scratch Resistance			

Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	22	--	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.50 to 0.90	--	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.0	--	%	ISO 62

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2800	1700	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	52.0	37.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 30	--	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2400	1200	MPa	ISO 178
Flexural Stress ² (23°C)	76.0	42.0	MPa	ISO 178

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.5	--	kJ/m ²	
23°C	7.5	--	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		
23°C	No Break	--		

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	90.0	--	°C	ISO 75-2/B

1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	120	--	°C	ISO 306/B50
CLTE - Flow (23 to 55°C)	1.1E-4	--	cm/cm/°C	ISO 11359-2
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			

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