

Romiloy® 1015 F UV

Polycarbonate + ABS

ROMIRA GmbH

Message:

Romiloy® 1015 F UV is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in Europe and is processed by extrusion or injection molding.

Romiloy® The main characteristics of 1015 F UV are:

flame retardant/rated flame

high liquidity

Good UV resistance

Heat resistance

UV stability

General Information			
Additive	UV stabilizer		
Features	Good UV resistance		
	High liquidity		
	Heat resistance, high		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	28	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.40 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	60	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2200	MPa	ISO 178
Flexural Stress ² (23°C)	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	42	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/A
Vicat Softening Temperature	138	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Additional Information			

The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with DIN 16901.

Injection	Nominal Value	Unit
Drying Temperature	< 100	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.050	%
Suggested Max Regrind	5	%
Processing (Melt) Temp	240 - 270	°C
Mold Temperature	80.0	°C
Injection Rate	Moderate-Fast	

Extrusion	Nominal Value	Unit
Drying Temperature	80.0 - 100	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	< 0.050	%
Cylinder Zone 1 Temp.	210 - 250	°C
Cylinder Zone 2 Temp.	210 - 250	°C
Cylinder Zone 3 Temp.	210 - 250	°C
Cylinder Zone 4 Temp.	210 - 250	°C
Cylinder Zone 5 Temp.	210 - 250	°C
Melt Temperature	< 260	°C

NOTE

1. 2.0 mm/min
2. 2.0 mm/min

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Recommended distributors for this material

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