

Romiloy® 1035 E

Polycarbonate + ABS

ROMIRA GmbH

Message:

Romiloy® 1035 E 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 1035 E are: flame retardant/rated flame.

General Information			
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.40 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	48.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	100	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	30	kJ/m ²	ISO 179/1eA
23°C	40	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°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

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Recommended distributors for this material

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