

SITRALOY 805 / C01000 natur

Polycarbonate + ABS

SITRAPLAS GmbH

Message:

Material: Polycarbonate with Acrylnitril-Butadien-Styrol
Application areas: Household and other e. g. switches, relays, motor housing, fuse cases, keyboards, chip carriers, connectors, telecommunication equipment

General Information			
Uses	Connectors		
	Electric Motor Housings		
	Household Goods		
	Switches		
	Telecommunications		
Resin ID (ISO 1043)	>PC+ABS<		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	14.0 to 19.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress			
Yield	50.0	MPa	ISO 527-2/50
Break	40.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Nominal Tensile Strain at Break	50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20 to 30	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	131	°C	ISO 306/B50

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