

Toyolac® TM335-GM1

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Toyolac® TM335-GM1 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Asia Pacific, Europe, or North America. Primary characteristic: high flow.

General Information			
Features	High Flow		
	Platable		
Part Marking Code	>ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.04	g/cm ³	ASTM D792
23°C	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	25	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	112		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	42.0	MPa	ASTM D638
23°C	44.0	MPa	ISO 527-2
Tensile Elongation			
Break	10	%	ASTM D638
Break, 23°C	41	%	ISO 527-2
Flexural Modulus			
--	2350	MPa	ASTM D790
23°C	2300	MPa	ISO 178
Flexural Strength			
--	65.0	MPa	ASTM D790
23°C	69.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	24	kJ/m ²	ISO 179
Notched Izod Impact			ASTM D256
-30°C, 12.7 mm	94	J/m	
23°C, 12.7 mm	250	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			

1.8 MPa, Unannealed, 6.40 mm	88.0	°C	ASTM D648
1.8 MPa, Unannealed	84.0	°C	ISO 75-2/A
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696

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