

Adell PC DR-12

Polycarbonate

Adell Plastics, Inc.

Message:

Adell PC DR-12 is a Polycarbonate (PC) material filled with 10% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	9.0 to 11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30	%	ASTM D955
Water Absorption (24 hr)	0.22	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	76		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	79.3	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3590	MPa	ASTM D790
Flexural Strength	122	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	141	°C	
1.8 MPa, Unannealed	135	°C	

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Recommended distributors for this material

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