

Aclon™ 3100

Polychlorotrifluoroethylene
Honeywell

Message:

ACLON (TM) 3100 is a fluoropolymer resin consisting of a poly-chlorotrifluoroethylene copolymer resin. Aclon™ resin provides the highest moisture barrier of any clear thermoplastic resins. It also provides added flexibility, great chemical resistance, outstanding electrical properties and low temperature crack resistance.

General Information			
Features	Copolymer		
	Good electrical performance		
	Good cracking resistance		
	Good flexibility		
	Good chemical resistance		
	Barrier resin		
Appearance	Clear/transparent		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	2.10	g/cm ³	ISO 1183
Apparent Density	0.80	g/cm ³	ISO 60
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission Rate (25 μm, 38°C, 100% RH)	0.47	g · mm/m ² /atm/24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	190 - 200	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (25.4 μm)	< 1.0	%	ASTM D1003
Additional Information			

Zero Strength Time, ASTM D1430: 90 to 130 secBulk Density, ISO 60: 40 to 60 lb/ft³

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