

# Aricon™ 3150R15T1

Thermoplastic Polyester  
Technical Polymers, LLC

Message:

Aricon™ 3150R15T1 is a Thermoplastic Polyester material filled with 15% glass fiber. It is available in North America for injection molding.  
Important attributes of Aricon™ 3150R15T1 are:  
Flame Rated  
Impact Modified

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	75.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0 to 8.0	%	ASTM D638
Flexural Modulus (23°C)	3450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	207	°C	
1.8 MPa, Unannealed	188	°C	
Melting Temperature	225	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	243 to 266	°C	
Mold Temperature	65.6 to 93.3	°C	

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