

Duron FR 950

Polyamide
ProPolymers Inc.

Message:

Duron FR 950 is a flame retardant nylon resin. It passes UL 94-5VA tests at a 1.5 mm thickness. This unique FR system exhibits high thermal stability, which allows it to be processed at higher temperatures and cycle times without risk of degradation. It is offered in both red and black.

General Information			
Features	Fast Molding Cycle		
	Flame Retardant		
	Good Thermal Stability		
Appearance	Black		
	Red		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90	%	ASTM D955
Water Absorption (24 hr)	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	63.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	
Break	60	%	
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	204	°C	
1.8 MPa, Unannealed	62.0	°C	
Melting Temperature	243	°C	
CLTE - Flow	4.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94

V-1

1.50 mm, BK

5VA

V-0

1.50 mm, RD

5VA

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Recommended distributors for this material

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