

Leona™ FR250

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ FR250 is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ FR250 include electrical/electronic applications, automotive and wire & cable.

Characteristics include:

Flame Retardant

Good Toughness

Halogen Free

General Information	
Additive	Flame Retardant
Features	Flame Retardant
	Good Toughness
	Halogen Free
Uses	Automotive Applications
	Connectors
	Electrical Parts
	Wire & Cable Applications

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.15	--	g/cm ³	ASTM D792, ISO 1183
Water Absorption (Saturation, 23°C)	--	2.8	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				
M-Scale	80	--		ASTM D785
R-Scale	118	90		ASTM D785
M-Scale	93	--		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2900	800	MPa	ISO 527-2
Tensile Stress				
Break, 23°C	78.0	46.0	MPa	ISO 527-2
--	82.0	48.0	MPa	ASTM D638
Tensile Elongation				
Break	17	85	%	ASTM D638
Break, 23°C	11	43	%	ISO 527-2
Flexural Modulus				
--	2800	1000	MPa	ASTM D790
23°C	2800	1000	MPa	ISO 178

Flexural Strength				
--	112	46.0	MPa	ASTM D790
23°C	105	41.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	17	kJ/m ²	ISO 179
Notched Izod Impact	45	180	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	201	--	°C	ASTM D648
1.8 MPa, Unannealed	65.0	--	°C	ASTM D648
1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
CLTE - Flow	8.0E-5	--	cm/cm/°C	ASTM D696
Flammability	Dry	Conditioned	Unit	Test Method
Oxygen Index	28	--	%	ASTM D2863

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