

# MAJORIS FD915U

Polypropylene

AD majoris

## Message:

FD915U is a halogen free flame retardant compound with UL 94 VO classification, intended for injection moulding. The product is available in both white (FD915U-1199) and natural but other colours can be provided on request  
FD915U is especially designed for technical parts requiring good balance of impact strength and rigidity. In addition to having good flame retardancy FD915U drastically reduces smoke emission.

### APPLICATIONS

FD915U is intended for the injection moulding of electrical component such as:

Electrical appliance components

Sockets

Junction boxes

Switches and connector housings

General Information			
Additive	Flame retardancy		
Features	Low smoke		
	Recyclable materials		
	Halogen-free		
	Flame retardancy		
Uses	Electrical components		
	Electrical housing		
	Home appliance components		
Appearance	White		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	18	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	102	°C	ISO 75-2/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		UL 94
3.20 mm	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	32	%	ISO 4589-2
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 - 240	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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#### Recommended distributors for this material

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