

Hyundai EP PA66 LD460

Polyamide 66
HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA66 LD460 is a Polyamide 66 (Nylon 66) product filled with 15% glass fiber. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.

Characteristics include:

Flame Rated
Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
Uses	Bobbins		
	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ASTM D1505
Ash Content	30	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	93.2	MPa	ASTM D638
Flexural Modulus	5300	MPa	ASTM D790
Flexural Strength	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°C	ASTM D648
Melting Temperature	265	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13 to 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	4.0	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	PLC 2		UL 746
High Amp Arc Ignition (HAI)	PLC 0		UL 746
High Voltage Arc Resistance to Ignition (HVAR)	PLC 6		UL 746

High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746	
Hot-wire Ignition (HWI)	PLC 4	UL 746	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm, All Colors)	V-0		UL 94

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

