

# Hyundai EP PA6 LS440

Polyamide 6  
HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA6 LS440 is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.  
Characteristics include:  
Flame Rated  
Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
Uses	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm <sup>3</sup>	ASTM D1505
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Ash Content	20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	85.3	MPa	ASTM D638
Flexural Modulus	4020	MPa	ASTM D790
Flexural Strength	132	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	76	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	185	°C	ASTM D648
Melting Temperature	220	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13 to 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	3.5	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94

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