

Hyundai EP PA6 LS240

Polyamide 6

HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA6 LS240 is a Polyamide 6 (Nylon 6) product filled with 20% mineral. It is available in Asia Pacific. Applications of Hyundai EP PA6 LS240 include automotive and electrical/electronic applications. Primary characteristic: heat stabilizer.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	General Purpose		
	Heat Stabilized		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Electrical/Electronic Applications		
	General Purpose		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ASTM D1505
Molding Shrinkage - Flow	0.80 to 1.0	%	ASTM D955
Ash Content	20	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	67.7	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	4410	MPa	ASTM D790
Flexural Strength	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	54	J/m	
23°C	59	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°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

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