

# Hyundai EP PA6 LS340

Polyamide 6  
HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA6 LS340 is a Polyamide 6 (Nylon 6) product filled with 20% glass\mineral. It is available in Asia Pacific. Typical application: Automotive. Primary characteristic: heat stabilizer.

General Information			
Filler / Reinforcement	Glass\Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Automotive Applications		
	Automotive Under the Hood		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm <sup>3</sup>	ASTM D1505
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Ash Content	20	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	113	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	37	J/m	
23°C	54	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	190	°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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## 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

