

Hyundai EP PA6 LS175

Polyamide 6
HYUNDAI EP Co., Ltd.

Message:
Hyundai EP PA6 LS175 is a Polyamide 6 (Nylon 6) product filled with 35% glass fiber. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications. Primary characteristic: heat stabilizer.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	General Purpose		
	Heat Stabilized		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
	General Purpose		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ASTM D1505
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Ash Content	15	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	186	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	9320	MPa	ASTM D790
Flexural Strength	260	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°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	3.8	kV/mm	ASTM D149

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