

Hyundai EP PA6 LS610

Polyamide 6
HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA6 LS610 is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific. Typical application: Automotive. Primary characteristic: impact modified.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ASTM D1505
Molding Shrinkage - Flow	1.3 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.8	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Flexural Strength	78.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	290	J/m	
23°C	590	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Melting Temperature	220	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+13	ohms · cm	ASTM D257
Dielectric Strength	3.0	kV/mm	ASTM D149

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