

# PA-Styr LHI-CHI-110817

## Polymer Asia - High Impact Polystyrene

### General Information

#### Product Description

HIPS Compound, black color, RoHS/WEEE Compliant, Injection molding: electronic parts, appliances, components

#### General

Uses	<ul style="list-style-type: none"> <li>• Appliances</li> <li>• Electrical Parts</li> <li>• Electrical/Electronic Applications</li> </ul>
Agency Ratings	<ul style="list-style-type: none"> <li>• EU 2002/96/EC (WEEE)</li> </ul>
RoHS Compliance	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>• Black</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03 to 1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0E-3 to 4.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4350	psi	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus	371000	psi	ASTM D790
Flexural Strength	8700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft-lb/in	ASTM D256
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	356 to 392	°F
Middle Temperature	374 to 410	°F
Front Temperature	392 to 428	°F
Nozzle Temperature	392 to 428	°F