

**TRILAC® ABS-HS5500**

ABS

Amco Polymers

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>20</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>51.7</b>	MPa	ASTM D 638
Flexural Modulus	<b>2337</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 118</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>299</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>267</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.52</b>	mm	-
DTUL @ 66 psi	<b>96.1</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>87.2</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1050</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>87.8 - 93.3</b>	°C	-
Pre-drying - Time	<b>2 - 24</b>	h	-
Melt temperature	<b>218 - 260</b>	°C	-
Mold temperature	<b>48.9 - 65.6</b>	°C	-
Zone 1	<b>193</b>	°C	-
Zone 2	<b>216</b>	°C	-
Zone 3	<b>232</b>	°C	-
Screw speed	<b>50 - 60</b>	rpm	-
Injection pressure	<b>68.9 - 82.7</b>	MPa	-
Back pressure	<b>0.689</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa