

**ABS HI153**

ABS

LG Chem

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>48</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.0055</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	<b>2433</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>44.1</b>	MPa	ASTM D 638
Elongation at Break	<b>30</b>	%	ASTM D 638
Flexural Modulus	<b>2551</b>	MPa	ASTM D 790
Flexural Strength	<b>74.6</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 110</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>189</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>189</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>66</b>	J/m	ASTM D 256
Temperature	<b>-30</b>	°C	-
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	<b>HB</b>	-	UL 94
DTUL @ 66 psi	<b>90</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>85</b>	°C	ASTM D 648
Vicat Temperature	<b>93</b>	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Comparative tracking index	<b>400</b>	-	IEC 60112
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Density	<b>1070</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.01</b>	%	-
Melt temperature	<b>210 - 240</b>	°C	-
Mold temperature	<b>40 - 70</b>	°C	-
Zone 1	<b>180 - 200</b>	°C	-
Zone 2	<b>190 - 210</b>	°C	-
Zone 3	<b>200 - 220</b>	°C	-
Nozzle temperature	<b>200 - 230</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>30 - 60</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical

**Special Characteristics**

U.V. stabilized or stable to weather

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America