

**SI81R**

PP

Hanwha TotalEnergies Petrochemical co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>50</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>35.3</b>	MPa	ASTM D 638
Elongation at Break	<b>80</b>	%	ASTM D 638
Flexural Modulus	<b>2158</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 105</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>44.1</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
DTUL @ 66 psi	<b>135</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1000</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Certifications**

Food contact

**Special Characteristics**

Heat stabilized or stable to heat

**Applications**

Electrical and Electronical, Packaging

**Features**

High Crystallinity, Low Warpage, Thermal Stability

**Regional Availability**

Asia Pacific