

**SI51C**

PP

Hanwha TotalEnergies Petrochemical co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	230	°C	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	39.2	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2453	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	39.2	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	140	°C	ASTM D 648
<b>Other properties</b>			
Density	1000	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Features**

High Crystallinity, Low Odor, Thermal Stability

**Chemical Resistance**

General Chemical Resistance

**Certifications**

Food contact

**Applications**

Electrical and Electronical, Packaging

**Regional Availability**

Asia Pacific