

**FB50NHD1**

PP

Hanwha TotalEnergies Petrochemical co. Ltd.

<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>230</b>	°C	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>28.5</b>	MPa	ASTM D 638
Elongation at Break	<b>30</b>	%	ASTM D 638
Flexural Modulus	<b>2109</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 94</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>39.2</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
DTUL @ 66 psi	<b>128</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1020</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical

**Special Characteristics**

Flame retardant, Halogen-free, Heat stabilized or stable to heat

**Regional Availability**

Asia Pacific