

FB51R

PP

Hanwha TotalEnergies Petrochemical co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	230	°C	-
Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	27.5	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	1226	MPa	ASTM D 790
Rockwell Hardness	R 85	-	ASTM D 785
Izod Impact notched, 1/8 in	108	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	44.1	J/m	ASTM D 256
Temperature	-23	°C	-
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	100	°C	ASTM D 648
Other properties	Value	Unit	Test Standard
Density	930	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Thermal Stability

Applications

Electrical and Electronical

Regional Availability

Asia Pacific