

TI51H

PP

Hanwha TotalEnergies Petrochemical co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9.2	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.014	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	33.4	MPa	ASTM D 638
Tensile Strength at Break	26.5	MPa	ASTM D 638
Elongation at Break	70	%	ASTM D 638
Flexural Modulus	2845	MPa	ASTM D 790
Rockwell Hardness	R 99	-	ASTM D 785
Izod Impact notched, 1/8 in	57.9	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	31.4	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	140	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	970	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

High Crystallinity

Applications

Automotive

Regional Availability

Asia Pacific