

## TECHNICAL DATA SHEET

# BI850

Hanwha TotalEnergies  
PP

**Processing**

Injection molding

**Special Characteristics**

High impact or impact modified

**Features**

High crystallinity

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Automotive, Electrical and electronical

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	43	g/10min	ASTM D 1238
Mechanical Properties	Value	Unit	Standard
Tensile strength at yield	28.5	MPa	ASTM D 638
Elongation at break	50	%	ASTM D 638
Flexural modulus	1570	MPa	ASTM D 790
Rockwell hardness	R 90		ASTM D 785
Izod impact notched, 1/8 in	68.7	J/m	ASTM D 256
Izod impact notched, Low-Temperature	39.2	J/m	ASTM D 256
Temperature	-20	°C	
Other Properties	Value	Unit	Standard
Density	910	kg/m <sup>3</sup>	ASTM D 792