

Technical Data Sheet

BICSOL H865BU resin is a homopolymer that enhances processing and stiffness, exhibits excellent color, low odor and good processing stability. Typical applications include cases, crates, trays, tote bins and open-head pails. H865BU contains a UV stabilizer for outdoor applications.

Processing Method: Injection Molding

Application: Crates; Pallets/Trays/Tote Bins

Market: Rigid Packaging

Typical Properties	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Density	0.965	g/cm ³	0.965	g/cm ³	ASTM D1505
Spiral Flow	9.1	in	23.1	cm	ASTM D1505
Tensile Strength at Break (23 °C)	4100	Psi	28.3	MPa	ASTM D638
Tensile Strength at Yield (23 °C)	4770	Psi	32.9	MPa	ASTM D638
Tensile Elongation at Break (23 °C)	16.5	%	16.5	%	ASTM D638
Tensile Elongation at Break (23 °C)	6.1	%	6.1	%	ASTM D638
Notched Izod Impact Strength, (23 °C)	0.66	ft-lb/in	35	J/m	ASTM D256
Shore Hardness, (Shore D, max)	68		68		ASTM D2240
Tensile Modulus, (1% Secant)	179000	Psi	1234	MPa	ASTM D638
1% Secant Flexural Modulus	24400	Psi	1769	MPa	ASTM D790
2% Secant Flexural Modulus	25800	Psi	1480	MPa	ASTM D790
Melting Temperature	270	°F	132.2	°C	ASTM D3418
Crystallization Temperature	248	°F	120	°C	ASTM D3418

Notes:

*The specifications listed are based on representative samples and not the actual product shipped.

*Typical properties: these are not to be construed as specifications.