

AN PHAT INTERNATIONAL, INC

DATASHEET: HDPE H7960BU

HDPE H7960BU is a narrow molecular weight distribution homopolymer that exhibits enhanced flow characteristics and good balance of stiffness and impact resistance. Typical applications include cases, tote bins, crates and trays. H7960BU contains a UV stabilizer for outdoor applications.

Applications:

- Crates
- Pallets/Trays
- Tote Bins

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	7.9	g/10 min	7.9	g/10 min	ASTM D1238
Density	0.960	g/cm ³	0.960	g/cm ³	ASTM D1505
Spiral Flow	8.6	in	21.8	cm	LYB Method
Mechanical					
Flexural Modulus					
(1% Secant)	190000	psi	1310	MPa	ASTM D790
(2% Secant)	155000	psi	1070	MPa	ASTM D790
Tensile Modulus, (1% Secant)	123000	psi	848	MPa	ASTM D638
Tensile Young's Modulus	146000	psi	1010	MPa	ASTM D638
Tensile Stress at Break, (23 °C)	2300	psi	15.9	MPa	ASTM D638
Tensile Stress at Yield, (23 °C)	4250	psi	29.3	MPa	ASTM D638
Tensile Elongation at Break, (23 °C)	380	%	380	%	ASTM D638
Tensile Elongation at Yield, (23 °C)	11	%	11	%	ASTM D638
Impact					
Notched Izod Impact Strength, (23 °C)	1.4	ft-lb/in	75	J/m	ASTM D256
Hardness					
Shore Hardness, (Shore D, max)	70		70		ASTM D2240
Thermal					
Vicat Softening Temperature	264	°F	129	°C	ASTM D1525
Deflection Temperature Under Load, (66 psi,	176	°F	80	°C	ASTM D648
Melting Temperature	270.9	°F	132.7	°C	ASTM D3418
Crystallization Temperature	240.6	°F	115.9	°C	ASTM D3418



AN PHAT INTERNATIONAL, INC.

Address: 10701 Corporate Drive, Suite 268, Stafford TX 77477

Phone: +1(346) 350-5230 | Fax: +1(346) 245-8066 | Website: anphatinternational.com

Storage and Handling:

HDPE H7960BU should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. An Phat international, Inc would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process **HDPE** H7960BU within 12 months after delivery.

An Phat International, Inc

Website: <https://www.anphatinternational.com/>

Phone No.: +1 346 350 5230

Email: apa@anphatholdings.com

NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any immunity against infringement.