



HD-8060U

HIGH DENSITY POLYETHYLENE (HDPE Injection)

Technical Data Sheet

The HD-8060U 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. HD-8060U contains a UV stabilizer for outdoor applications.

Application -> Crates; Pallets/Trays/Tote Bins

Market -> Rigid Packaging

Processing -> Method Injection Molding

NOMINAL RESIN PROPERTIES	NOMINAL VALUE (ENGLISH)	NOMINAL VALUE (SI)	METHOD
Density	0.960 g/cm ³	0.960 g/cm ³	ASTM D1505
Melt Index, 190C/2.16Kg	7.9 g/10 min	7.9 g/10 min	ASTM D1238
Flexural Young's Modulus	205000 psi	1410 MPa	ASTM D790
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
Vicat Softening Temperature	264 °F	129 °C	ASTM D1525
Low Temperature Brittleness	<-105 °F	<-76 °C	ASTM D746
Melting Temperature	270.9 °F	132.7 °C	ASTM D3418
Crystallization Temperature	240.6 °F	115.9 °C	ASTM D3418



One River Way, Ste 1125 –
Houston, TX, 77056 - USA
Email: plastics@snetor.fr



Tel : +33 1 49 04 88 88
Email: plastics@snetor.fr

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