Technical Data Sheet

Adstif HA801U

Polypropylene, Homopolymer

Product Description

Adstif HA801U very high melt flow, nucleated polypropylene homopolymer is available in pellet form. This resin is typically used in high-speed injection molding of thin-walled parts, and as a building block for compounded applications that require high flow and high stiffness.

Regulatory Status

For regulatory compliance information, see *Adstif* HA801U Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Colour Concentrates; Polymer Modifier; TWIM Food Containers
Market	Compounding; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Fast Cycle (Production); High Flow; High Heat Resistance; High Stiffness

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	65	g/10 min	65	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	290000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			2000	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	6100	psi			ASTM D638
(50 mm/min)			42	MPa	ASTM D638
Tensile Elongation at Yield	6	%	6	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	0.3	ft-lb/in			ASTM D256
(23 °C, Method A)			16	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	270	°F			ASTM D648
(0.45 MPa, Unannealed)			132	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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