

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.

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/cm ³	0.90	g/cm ³	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