

Composite Plastic

Table 1

Part Number	Container Size	Unit of Measure	Description
86617280	Bulk	Feet	ACRYLIC 87022629

Table 2: Engineering Approved Supplier List

Supplier Name	Supplier Code Number
Aristech	Altair Plus

					NAME	STD ACRYLIC/ABS		
								ENGINEERING SPECIFICATION
					THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND N. V. AND/OR ITS SUBSIDIARIES. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.			FRAME 1 OF 2
ALL	B	RE	119518	26SEP02				PART NUMBER
FRAME NO.	REV	BY	ECN NO.	DATE				
APP.	DRAWN	BJFJR	28AUG02					
	CHECKED							

Table 3: Physical Properties

Property	Typical Values	Units	Test Method
General			
Thickness	0.350	Inch	—
Specific Gravity	1.100	—	ASTM D 792
Mechanical			
Tensile Strength	6100	Psi	ASTM D 638
Tensile Modulus	350,000	Psi	ASTM D 638
Tensile Elongation	6.2	%	ASTM D 638
Flexural Strength (Face Side Up)	8900	Psi	ASTM D 790
Flexural Modulus (Face Side Up)	335,000	Psi	ASTM D 790
Flexural Strength (Face Side Down)	10,700	Psi	ASTM D 790
Flexural Modulus (Face Side Down)	323,000	Psi	ASTM D 790
Notched Izod	3.2	Ft Lbs/In of Notch	ASTM D 256
Falling Dart Impact	54*	Ft Lbs	FTMS 406-M-1074 (Modified)
Barcol Hardness	48	—	ASTM D 2583
Rockwell Hardness M Scale	100	—	ASTM D 785
R Scale	125	—	
Tabor Abrasion	45	Milligrams	FTMS 406 Method 1091
Thermal			
Hot Forming Temp. Acrylic Side	350–380	°F	Aristech Method
ABS Side	300–340	°F	
Coefficient of Thermal Expansion	0.000043	In/In °F	ASTM D 696
Heat Distortion Temp. @ 66 Psi	207	°F	ASTM D 648
@ 264 Psi	193	°F	
Flammability	94HB	—	UL Test #94
Miscellaneous			
Water Absorption	0.2	%	ASTM D 570
Odor	None	—	—
Taste	None	—	—
Freeze-Thaw Cycling (-20 °F to 180 °F) (50 Cycles)	No Effect		Aristech Test Method
Weathering	Based on the Accelerated Weathering and South Florida Exposure in standard 86628044 (MAT0103)		

*Actual value is higher—This is the limit of the test apparatus.

 NEW HOLLAND	NAME				PART NUMBER	
	STD ACRYLIC/ABS				87022629	
ENGINEERING SPECIFICATION				REV. B	FRAME 2	OF 2