	TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
	ACRILO NITRILE BUTADIENE STYRENE(ABS)	www.tpco.ir	
	HG0770-W1802**	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

HG0770-W1802 (white colored high glass) is one of the styrenic ter polymers (ABS) compound grades with improved toughness versus HIPS grade.

Features: HG0770-W1802 exhibits low shrinkage and good dimensional stability. **HG0770-W1802** is widely used in general injection molding high glass applications with white color parts.

Processing Method: injection molding

Application: Refrigerator, Automotive Parts, home parts, high glass Injection Molding, Appliances Casing, Office Supplies with white color.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	3.1
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°c &HUMIDITY: 50±5%)	Kj/m^2	ASTM D-256	20
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	97
BULK DENSITY	Kg/m^3	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm^2	ASTM D-638	440
TENSILE STRENGTH AT BREAK	Kgf/cm^2	ASTM D-638	380
ELONGATION AT YEILD	%	ASTM D-638	3
ELONGATION AT BREAK	%	ASTM D-638	39
FLEXURAL STRENGTH AT YIELD	Kgf/cm^2	ASTM D-790	620
FLEXURAL MODULUS	Kgf/cm^2	ASTM D-790	21000
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	77
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	108 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**W1802 is only owner white Color code

Note: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.

HG0770-W1701 (white colored high gloss) is one of the styrenic terpolymers (ABS) compound grades with improved toughness versus HIPS grades.

Features: HG0770-W1701 exhibits low shrinkage and good dimensional stability. **HG0770-W1701** is widely used in general injection molding high gloss applications for white color parts.

Processing Method: injection molding

Application: Refrigerator parts, Automotive parts, home parts, high gloss Injection Molding, Appliances Casing, Office Supplies with white color.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	3.1
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°c &HUMIDITY: 50±5%)	Kj/m^2	ASTM D-256	20
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	℃	ASTM D-1525	95
BULK DENSITY	Kg/m^3	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm^2	ASTM D-638	440
TENSILE STRENGTH AT BREAK	Kgf/cm^2	ASTM D-638	380
ELONGATION AT YEILD	%	ASTM D-638	3
ELONGATION AT BREAK	%	ASTM D-638	39
FLEXURAL STRENGTH AT YIELD	Kgf/cm^2	ASTM D-790	620
FLEXURAL MODULUS	Kgf/cm^2	ASTM D-790	21000
HDT(0.45 MPA &120°C/HR)	℃	ASTM D-648	77
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	109 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**W1701 is only owner white Color code

Note: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.

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ACRILO NITRILE BUTADIENE STYRENE(ABS)	www.tpco.ir	
HG0770-W1804**	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

HG0770-W1804 (white colored high gloss) is one of the styrenic terpolymers (ABS) compound grades with improved toughness versus HIPS grades.

Features: HG0770-W1804 exhibits low shrinkage and good dimensional stability. **HG0770-W1804** is widely used in general injection molding high gloss applications for white color parts.

Processing Method: injection molding

Application: Refrigerator parts, Automotive parts, home parts, high gloss Injection Molding, Appliances Casing, Office Supplies with white color.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	3.1
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°c &HUMIDITY: 50±5%)	Kj/m^2	ASTM D-256	20
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	95
BULK DENSITY	Kg/m^3	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm^2	ASTM D-638	440
TENSILE STRENGTH AT BREAK	Kgf/cm^2	ASTM D-638	380
ELONGATION AT YEILD	%	ASTM D-638	3
ELONGATION AT BREAK	%	ASTM D-638	39
FLEXURAL STRENGTH AT YIELD	Kgf/cm^2	ASTM D-790	620
FLEXURAL MODULUS	Kgf/cm^2	ASTM D-790	21000
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	77
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	109 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**W1804 is only owner white Color code

Note: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.

HG0770-W1904 (white colored high gloss) is one of the styrenic terpolymers (ABS) compound grades with improved toughness versus HIPS grades.

Features: HG0770-W1904 exhibits low shrinkage and good dimensional stability. **HG0770-W1904** is widely used in general injection molding high gloss applications for white color parts.

Processing Method: injection molding

Application: Refrigerator parts, Automotive parts, home parts, high gloss Injection Molding, Appliances Casing, Office Supplies with white color.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	3.1
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°c &HUMIDITY: 50±5%)	Kj/m^2	ASTM D-256	20
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	℃	ASTM D-1525	95
BULK DENSITY	Kg/m^3	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm^2	ASTM D-638	440
TENSILE STRENGTH AT BREAK	Kgf/cm^2	ASTM D-638	380
ELONGATION AT YEILD	%	ASTM D-638	3
ELONGATION AT BREAK	%	ASTM D-638	39
FLEXURAL STRENGTH AT YIELD	Kgf/cm^2	ASTM D-790	620
FLEXURAL MODULUS	Kgf/cm^2	ASTM D-790	21000
HDT(0.45 MPA &120°C/HR)	℃	ASTM D-648	77
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	109 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**W1904 is only owner white Color code

Note: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.