



TYPICAL DATA SHEET*	ISSUE DATE	MAR 2025
ACRILO NITRILE BUTADIENE STYRENE(ABS)	www.tpc.ir	
SD0150-W1905**	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

SD0150-W1905 (white colored of SD0150) is one of the styrenic ter polymers (ABS) compound grades with improved toughness versus HIPS grade.

Features: SD0150-W1905 exhibits low shrinkage and good dimensional stability. **SD0150-W1905** is widely used in general injection molding applications for white color parts.

Processing Method: injection molding

Application: Furniture, Automotive Parts, General 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	1.8
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%)	Kj/m ²	ASTM D-256	22
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	98
BULK DENSITY	Kg/m ³	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm ²	ASTM D-638	450
TENSILE STRENGTH AT BREAK	Kgf/cm ²	ASTM D-638	400
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	40
FLEXURAL STRENGTH AT YIELD	Kgf/cm ²	ASTM D-790	640
FLEXURAL MODULUS	Kgf/cm ²	ASTM D-790	20500
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	81
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	105 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)

**W1905 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.



TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
ACRILONITRILE BUTADIENE STYRENE(ABS)	www.tpc.ir	
SD0150	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

SD0150 is one of the styrenic ter polymers (ABS) grades with improved toughness versus HIPS grades.
Features: SD0150 exhibits low shrinkage and good dimensional stability. SD0150 is widely used in general injection molding applications.

Processing Method: injection molding

Application: Furniture, Automotive Parts, General Injection Molding, Appliances Casing, Office Supplies.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	1.8
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%)	Kj/m ²	ASTM D-256	22
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	98
BULK DENSITY	Kg/m ³	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm ²	ASTM D-638	450
TENSILE STRENGTH AT BREAK	Kgf/cm ²	ASTM D-638	400
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	40
FLEXURAL STRENGTH AT YIELD	Kgf/cm ²	ASTM D-790	640
FLEXURAL MODULUS	Kgf/cm ²	ASTM D-790	20500
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	81
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	105 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

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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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ACRILONITRILE BUTADIENE STYRENE (ABS)	www.tpco.ir	
SD0150-W1901**	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

SD0150-W1901 (white colored of SD0150) is one of the styrenic ter polymers (ABS) compound grades with improved toughness versus HIPS grade.

Features: **SD0150-W1901** exhibits low shrinkage and good dimensional stability. **SD0150-W1901** is widely used in general injection molding applications for white color parts.

Processing Method: injection molding

Application: Furniture, Automotive Parts, General 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	1.8
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%)	Kj/m ²	ASTM D-256	22
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	98
BULK DENSITY	Kg/m ³	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm ²	ASTM D-638	450
TENSILE STRENGTH AT BREAK	Kgf/cm ²	ASTM D-638	400
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	40
FLEXURAL STRENGTH AT YIELD	Kgf/cm ²	ASTM D-790	640
FLEXURAL MODULUS	Kgf/cm ²	ASTM D-790	20500
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	81
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	105 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

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**W1901 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.