

PRODUCT INFORMATION

UNISOFT STANDARD™ ST-65A-NT-2-25

DESCRIPTION	TPE Compound based on Styrene-Ethylene/Butylene-Styrene Block Copolymer.
FEATURES	Standard grade with adhesion to polypropylene. This grade is cost optimized to replace PVC.
APPLICATIONS	UNISOFT STANDARD™ ST-65A-NT-2-25 is a general grade intended for use in injection molding and extrusion. All ingredients used for this compound are in compliance with certain FDA regulations.
COLOR	Natural
SUPPLIER	UNITED SOFT PLASTICS, INC.

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH - UNITS	SI - UNITS
SHORE HARDNESS	ASTM D - 2240	65 A	65 A
SPECIFIC GRAVITY	ASTM D - 792	1.17 (g/cc)	1.17 (g/cc)
TENSILE STRENGTH	ASTM D - 412	800 (psi)	5.51 (MPa)
ELONGATION AT BREAK	ASTM D - 412	300 (%)	300 (%)

PROCESSING INFORMATION

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PURGING	Purge thoroughly before and after use of this product (e.g. PP or PE with MFI between 0.5 – 2.5).		
DRYING TIME	Material is not hygroscopic and drying is only necessary if material was stored under moisture.		
COLORING	Material can be easily colored with standard color concentrates used for coloring polypropylene.		
SHRINKAGE PROPERTIES	UNISOFT STANDARD™ grades are anisotropic materials. Their shrinkage properties are higher in the flow direction and shrinkage in the cross-flow direction is less. UNISOFT STANDARD™ ST-65A-NT-2-25 shows shrinkage values between 0.5 – 1.5 %.		
RHEOLOGICAL PROPERTIES	Rheological data of UNISOFT STANDARD™ materials is shear dependent, and their viscosity is increasing at slow shear rates and decreasing at higher shear rates. Therefore, we recommend that this fact be considered when designing injection molds and when setting mold conditions for processing.		
MOLDING TEMPERATURES	Zone 1) REAR	340°F - 370°F	170°C - 190°C
	Zone 2) FRONT	370°F - 410°F	190°C - 210°C
	Zone 3) NOZZLE	410°F - 465°F	210°C - 240°C
	MOLD	85°F - 150°F	30°C - 65°C

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Revision: B

Notice: The properties shown are typical values and are not intended as product specification; the given information should serve only as a guide. There is no implied warranty of merchantability or fitness for any purpose. Establishing satisfactory performance of the product for the intended application is the customer's sole responsibility. No warranty is given concerning the existence or nonexistence of any patents claiming any pertinent subject matter presented herein.