



TECHNICAL DATA SHEET

Product Name : AKRETAN TP-8500N01
Product Description : TPU Ester, Transparent, High Abrasion Resistance

Properties	Test Method	Test Conditions	Unit	Value
Hardness	ASTM D 2240	3 second	Shore A/D	85 A
Specific Gravity	ASTM D 792	23°C	gr/cm ³	1.20
Abrasion Resistance	ISO 4649	23°C	mm ³	35
Tensile Strenght	ASTM D 412	200 mm/min.	Mpa	44
Modulus 100%	ASTM D 412	200 mm/min.	Mpa	6.0
Modulus 300%	ASTM D 412	200 mm/min.	Mpa	13.1
Elongation at Break	ASTM D 412	200 mm/min.	%	500
Tear Strenght	ASTM D 624	200 mm/min.	N/mm	50
Compression Set	ASTM D 395	24 h:70°C	%	50
Compression Set	ASTM D 395	72 h:23°C	%	25
Glass Transition Temperature	DSC	-	°C	-
Melt Flow Index	ASTM D 1238	200°C / 10 kg.	gr/10 min	18
Melting Point	-	-	°C	160
Flammability Classification	UL94	1,6 mm. Thickness	Class	HB
Antistatic	DIN VDE 0413/1	500V / 4,3 kg. load	Mohm	-

* The recommended drying temperatures are between 80°C and 110°C, with drying times of 1 to 3 hours.

All mentioned information in this technical data sheet present current knowledge and experience of AKAY PLASTIK. The data may not be valid when this product is used in combination with other materials such as pigments or additives which may cause significant variations in data values. Please note that the data are given for dry as molded values as related to the mentioned material only. Naturally, these data do not guarantee certain values since may vary on customer's processing conditions, so they are provided for reference purposes only and should not be used alone to create specification limits and design basis. It is strongly recommended for customers to test the product under their own processing conditions and test facilities to determine the suitability for the required application and use.

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