



大東樹脂化學股份有限公司

GREAT EASTERN RESINS INDUSTRIAL CO.,LTD.

TEL : 886-4-23587600 FAX : 886-4-23581296

35, 34TH ROAD, INDUSTRIAL PARK, TAICHUNG, TAIWAN 407

THERMOPLASTIC POLYURETHANE

ISOTHANE® 1085AU

Poly(adipate)ester Based TPU Resins

High Transparency / UV Resistance

Characteristics:

ISOTHANE 1085AU product is polyester poly(adipate)ester based thermoplastic polyurethanes. They exhibit excellent transparency, toughness, abrasive resistance, solvent resistance, and UV resistance. These products can be injection molded, blow molded, and extruded.

Properties:

Items	Units	ASTM	1085AU
Specific Gravity	gr./cm ³	D-792	1.18
Hardness	Shore A D	D-2240	85A
Tensile Strength	Mpa psi	D-412	38 5500
Tensile Modulus			
@ 50% elongation	Mpa Psi	D-412	4.1 600
@ 100% elongation	Mpa Psi		5.9 850
@ 300% elongation	Mpa Psi		12 1800
Elongation @ break	%	D-412	580
Compression Set			
22 hrs @ 23°C	%	D-395 (B)	30
22 hrs @ 70°C	%		75
Tear Strength	N/mm lb/in	D-624 DIE C	80 460
Abrasion Resistance	mg (loss)	D-1044 (Taber) H-22	15

While the above information is presented in good faith and believed to be accurate, GRECO does not guarantee satisfactory results from reliance upon such information and disclaims all liability for any loss or damage arising out of its use.