

## Huntsman IROGRAN® PS 443-201 TPU-Polyester

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade

### Material Notes:

Polyester-based grades with a broad processing window ideally suited for cast, flat die and blown film lines. Information provided by Alliance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Huntsman-IROGRAN-PS-443-201-TPU-Polyester.php](http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-PS-443-201-TPU-Polyester.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
Hardness, Shore D	58	58	ASTM D2240
Tensile Strength at Break	53.6 MPa	7770 psi	ASTM D412
Elongation at Break	440 %	440 %	ASTM D412
50% Modulus	0.00965 GPa	1.40 ksi	ASTM D412
100% Modulus	0.0120 GPa	1.74 ksi	ASTM D412
300% Modulus	0.0345 GPa	5.01 ksi	ASTM D412
Rebound	33 %	33 %	Bayshore; ASTM D2632
Tear Strength	131 kN/m	750 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	63	63	ASTM D3389
Abrasion	36	36	mm <sup>3</sup> ; DIN 53516
Compression Set	40 %	40 %	
	@Temperature 22.8 °C, Time 79200 sec	@Temperature 73.0 °F, Time 22.0 hour	ASTM D395
	92 %	92 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	ASTM D395

Thermal Properties	Metric	English	Comments
Melting Point	169 - 181 °C	336 - 358 °F	TMA Melt Range

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-25.0 °C	-13.0 °F	Midpoint; ASTM E 1269

## Contact Songhan Plastic Technology Co.,Ltd.

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