

Thanelene® TPU S80A15 PRTA010 TP305 MSP

Thermoplastic Polyurethane Elastomer (Polyester)

Petropol Industry and Trade of Polymers LTDA

Message:

Thanelene® TPU S80A15 PRTA010 TP305 MSP is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) material. It is available in Asia Pacific, Europe, Latin America, or North America for blow molding, extrusion, or injection molding.

General Information			
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	77 to 83		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	25.0	mm ³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
100% Strain	4.00	MPa	
300% Strain	8.00	MPa	
Tensile Strength ¹ (Yield)	45.0	MPa	DIN 53504
Tensile Elongation (Break)	600	%	DIN 53504
Tear Strength	65.0	kN/m	DIN 53515
Compression Set			DIN 53517
23°C	25	%	
70°C	45	%	
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Rear Temperature	180	°C	
Middle Temperature	185	°C	
Front Temperature	170	°C	
Processing (Melt) Temp	190 to 205	°C	
Mold Temperature	15.0 to 25.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Cylinder Zone 1 Temp.	140	°C	

Cylinder Zone 2 Temp.	160	°C
Cylinder Zone 3 Temp.	170	°C
Cylinder Zone 4 Temp.	180	°C
Melt Temperature	190 to 205	°C

NOTE

1. 100 mm/min

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Recommended distributors for this material

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