

Desmopan® 1350D

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

good wear resistance; extrusion; high melt stability; opaque to translucent; Beads; Pneumatic hoses

General Information			
Features	Good Wear Resistance		
	High Melt Stability		
Uses	Hose		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
	Translucent		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.24	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 23°C	96		
Shore D, 23°C	50		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (23°C)	30.0	mm ³	ISO 4649-A
Impact Resilience (23°C)	31	%	ISO 4662
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3/200
Break, 23°C	50.0	MPa	
100% Strain, 23°C	15.0	MPa	
300% Strain, 23°C	31.0	MPa	
Tensile Elongation (Break, 23°C)	420	%	ISO 527-3/200
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹ (23°C)	120	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	25	%	
70°C, 24 hr	50	%	
Extrusion	Nominal Value	Unit	
Melt Temperature	210 to 230	°C	
NOTE			
1.	500 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

