

Estane® ETE 60DS3 TPU

Thermoplastic Polyurethane Elastomer (Polyester)

Lubrizol Advanced Materials, Inc.

Message:

Type: Estane® ETE 60DS3 is a 60D aromatic Polyester-Based Thermoplastic Polyurethane (TPU).
Features: Hard TPU with wide extrusion processing window and melt stability, high transparency
Uses: Extrusion: Hose and Tube, Extrusion: Profile, Cable Jacket; Injection molding: Various

General Information			
Features	Aroma		
	High melt stability		
	Workability, good		
	Definition, high		
Uses	Cable sheath		
	Wire and cable applications		
	Pipe		
	Pipe fittings		
	Profile		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Wire & Cable Extrusion		
	Extrusion		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 5 sec)	57 - 63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	62.0	mg	ASTM D3389
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain, 0.762mm	23.0	MPa	ASTM D412
300% strain, 0.762mm	49.0	MPa	ASTM D412
Tensile Strength (Break, 0.762 mm)	49.0	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	300	%	ASTM D412
Tear Strength			
0.762 mm ¹	175	kN/m	ASTM D624

Cracking	35	kN/m	ASTM D470
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-18.0	°C	DSC
Melting Temperature	172	°C	DSC
Extrusion	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Cylinder Zone 1 Temp.	199	°C	
Cylinder Zone 2 Temp.	204	°C	
Cylinder Zone 3 Temp.	204	°C	
Cylinder Zone 4 Temp.	210	°C	
Adapter Temperature	213	°C	
Melt Temperature	204	°C	
Die Temperature	210	°C	
Extrusion instructions			
Dew Point: -40°C Screen Pack Recommendation: 20/40/80/20			
NOTE			

1. C mould

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT