

Elastollan® 1185 A FHF

Thermoplastic Polyurethane Elastomer (Polyether)

BASF Polyurethanes GmbH

Message:

Thermoplastic Polyether Polyurethane special products, halogen-free flame retardant.

Typical applications

Cable jackets, Films

General Information			
UL YellowCard	E140250-222871		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Uses	Cable Jacketing		
	Film		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 7619
Shore A, 3 sec	89		
Shore D, 3 sec	37		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	35.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	3.50	MPa	
100% Strain	8.00	MPa	
300% Strain	13.0	MPa	
Tensile Stress			DIN 53504
Yield ¹	20.0	MPa	
Yield	35.0	MPa	
Tensile Elongation ² (Break)	600	%	DIN 53504
Tear Strength ³	60	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	25	%	
70°C, 24 hr	45	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-30°C	120	kJ/m ²
23°C	No Break	
Flammability	Nominal Value	Test Method
Flame Rating	V-0	UL 94
Extrusion	Nominal Value	Unit
Melt Temperature	175 to 220	°C
NOTE		
1.	after storage in water at 80°C for 42 days	
2.	after storage in water at 80°C for 42 days	
3.	Method Bb, Angle (Nicked)	

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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

