

Elastollan® 1177 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			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Uses	Cable Jacketing		
	Film		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	77		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	75.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	2.00	MPa	
100% Strain	3.00	MPa	
300% Strain	5.00	MPa	
Tensile Stress (Yield)	22.0	MPa	DIN 53504
Tensile Elongation (Break)	800	%	DIN 53504
Tear Strength ¹	53	kN/m	ISO 34-1
Extrusion	Nominal Value	Unit	
Melt Temperature	175 to 220	°C	
NOTE			
1.	Method Bb, Angle (Nicked)		

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