

Elastollan® LP 9307

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Aliphatic, thermoplastic Polyurethane with excellent colour fastness, good flow characteristics, detailed reproduction of surface structures, resistance to hydrolysis and low fogging values.

Typical applications

Applications in the automotive interior, e.g. inner door handles, instrument panels, cover centre consoles, lever wheels, slider covers, tubes, films.

General Information			
Features	Aliphatic		
	Good Flow		
	Hydrolysis Resistant		
	Low to No Fogging		
Uses	Automotive Instrument Panel		
	Automotive Interior Parts		
	Film		
	Handles		
	Tubing		
	Wheels		
Processing Method	Extrusion		
	Injection Molding		
	Slush Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	80		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	15.0	MPa	DIN 53504
Tensile Elongation (Break)	900	%	DIN 53504
Tear Strength ¹	45	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	22	%	
70°C, 24 hr	30	%	
100°C, 24 hr	45	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A120
Injection	Nominal Value	Unit	

Processing (Melt) Temp	190 to 235	°C
Mold Temperature	20.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Melt Temperature	180 to 230	°C
NOTE		
1.	Method Bb, Angle (Nicked)	

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