

Elastollan® A 1154 DN

Thermoplastic Polyurethane Elastomer (Polyether)

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	1.11	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	54		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	DIN 53504
Tensile Elongation (Break)	550	%	DIN 53504
Tear Strength ¹	100	kN/m	ISO 34-1
Compression Set			ISO 815
	23°C, 72 hr	27	%
	70°C, 24 hr	46	%
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	142	°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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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



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