

# ISOTHANE® 3085A-FR

Thermoplastic Polyurethane Elastomer (Polyether)

Great Eastern Resins Industrial Co., Ltd. (GRECO)

Message:

ISOTHANE 3085A-FR product is polyether based thermoplastic polyurethane containing a halogen-free fire retardant. It exhibits good toughness and flame retardant properties. The product can be injection molded, and extruded.

- Applications:
- General Injection & Extrusion
  - Wire & Cable
  - Hose, Tube & Profile

General Information	
Additive	Flame retardancy
Features	Good toughness
	Halogen-free
	Flame retardancy
Uses	Wire and cable applications
	Pipe
	Pipe fittings
	General
	Profile
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	8.00	MPa	ASTM D412
300% strain	13.0	MPa	ASTM D412
Tensile Strength	30.0	MPa	ASTM D412
Tensile Elongation (Break)	570	%	ASTM D412
Tear Strength	135	kN/m	ASTM D624
Flammability	Nominal Value		Test Method
Flame Rating (2.0 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	100	°C	
Drying Time - Desiccant Dryer	3.0 - 5.0	hr	

Dew Point - Desiccant Dryer	-40 - -30	°C
Suggested Max Moisture	0.020	%
Rear Temperature	180 - 190	°C
Middle Temperature	190 - 200	°C
Front Temperature	190 - 200	°C
Nozzle Temperature	185 - 195	°C

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