

POLYTROPE® STR 3568EU-01 NATURAL

Enhanced Polyolefin (Capstock Resin)

A. Schulman Inc.

Message:

POLYTROPE STR 3568EU resin is a low gloss, weatherable, olefin cap resin. It is non-stress whitening and provides exceptional durability against denting and scratches. It is specifically designed for the co-extrusion process as a cap resin over POLYTROPE STR enhanced polyolefin TPO and FR TPO base resins. It is especially suited for thermoformed applications, as it maintains embossed texture and low gloss through the thermoforming process. POLYTROPE STR 3568EU-01 NATURAL is easily colored. The low gloss and durability of the cap resin enables it match or exceed the performance and appearance of other low gloss surfacing materials for interior and exterior applications.

General Information	
---------------------	--

Features	Durable
	Good Chemical Resistance
	Good Weather Resistance
	High Scratch Resistance
	Low Temperature Impact Resistance
	Recyclable Material
	Stain Resistant
	Stress Whitening Resistant

Forms	Pellets
Processing Method	Coextrusion
	Extrusion
	Profile Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.888	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ² (Yield, 23°C)	16.5	MPa	ISO 527-2
Tensile Strain ³ (Break, 233°C)	650	%	ISO 527-2
Flexural Modulus - Chord ⁴ (23°C)	255	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact (-40°C, Total Energy, Ductile Failure)	36.2	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	60.0	°C	ISO 75-2/Bf
Flammability	Nominal Value		Test Method


Flame Rating (3.18 mm, All Colors)	HB	UL 94
Optical	Nominal Value	Test Method
Gardner Gloss (60°, 3180 µm, Thermoformed, Smooth)	10 to 20	ISO 2813
NOTE		
1.	Method A	
2.	Type 1, 50 mm/min	
3.	Type 1, 50 mm/min	
4.	Type 1A, 2.0 mm/min	

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