

Diakon® ST25H8

Polymethyl Methacrylate Acrylic

Lucite International Inc.

Message:

Diakon® ST25H8 is a polymethyl methacrylate-acrylic material. This product is available in Europe and is processed by extrusion.

Diakon® The main features of ST25H8 are:

flame retardant/rated flame

Impact modification

Good toughness

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Good toughness		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	0.80	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.32	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	74		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	73.0	MPa	ISO 527-2
Tensile Strain (Yield)	20	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	54	kJ/m ²	ISO 179/1eU
Notched Izod Impact	3.9	kJ/m ²	ISO 180/1A
Multi-Axial Instrumented Impact Energy	1.80	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	97.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	114	°C	ISO 306/A
--	103	°C	ISO 306/B
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method

Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542, ISO 489
Transmittance	91.0	%	ASTM D1003
Haze	2.0	%	ASTM D1003

Additional Information

Mold Shrinkage, H961/30: .4 to .7%

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

