

POLYLUX® (MABS) Typ C4

Methyl Methacrylate / ABS

A. Schulman Europe

Message:

Transparent MABS for extrusion and parts of high wall thickness

General Information			
Processing Method	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	MABS		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	2.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	96.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	48.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	92.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	78.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	103	°C	ISO 306/A50
--	94.0	°C	ISO 306/B50
Additional Information			

- 1.)
- Not for use in food contact applications2.)
- Not for use in medical or pharmaceutical applications

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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

