

MIRASON™ 401

Low Density Polyethylene

Mitsui Chemicals, Inc.

Message:

MIRASON™ 401 is a Low Density Polyethylene material. It is available in Asia Pacific for injection molding.

Important attributes of MIRASON™ 401 are:

Good Aesthetics

High ESCR (Stress Crack Resistant)

High Gloss

Typical application of MIRASON™ 401: Caps/Lids/Closures

General Information			
Features	High ESCR (Stress Crack Resist.)		
	High Gloss		
	Pleasing Surface Appearance		
Uses	Closures		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.12	MPa	
Break	19.6	MPa	
Tensile Elongation (Break)	600	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Vicat Softening Temperature	94.0	°C	ASTM D1525
Melting Temperature	109	°C	

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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

