

MIRASON™ 50

Low Density Polyethylene

Mitsui Chemicals, Inc.

Message:

MIRASON™ 50 is a Low Density Polyethylene material. It is available in Asia Pacific for extrusion.

Important attributes of MIRASON™ 50 are:

Good Processability

High ESCR (Stress Crack Resistant)

Typical applications include:

Caps/Lids/Closures

Containers

General Information			
Features	Good Processability		
	High ESCR (Stress Crack Resist.)		
Uses	Closures		
	Containers		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.12	MPa	
Break	18.6	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

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