

ZELAS® MC642

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

ZELAS® MC642 is a Thermoplastic Elastomer (TPE) material. It is available in Asia Pacific, Europe, or North America for injection molding.
Typical application of ZELAS® MC642: Medical/Healthcare

General Information			
Uses	Medical/Healthcare Applications		
Agency Ratings	JP XV		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	20.0	MPa	
Break	35.0	MPa	
Nominal Tensile Strain at Break	740	%	ISO 527-2
Flexural Modulus	600	MPa	ISO 178
Flexural Stress	19.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	125	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Haze (2000 μm)	35	%	ISO 2813

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Recommended distributors for this material

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