

PERCOM® MCS12U

Polypropylene Copolymer

A. Schulman Europe

Message:

PERCOM® MCS12U is a Polypropylene Copolymer (PP Copolymer) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of PERCOM® MCS12U are:

- Flame Rated
- RoHS Compliant
- Copolymer
- Good UV Resistance
- UV Stabilized

Typical application of PERCOM® MCS12U: Outdoor Applications

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good UV Resistance		
Uses	Outdoor Applications		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	1.5 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	59		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	24.0	MPa	
Break	18.0	MPa	
Tensile Strain (Break)	45	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/A50
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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