

Rilsan® M-AECV ORANGE TL

Polyamide 12

Arkema

Message:

M- will be deleted after industrial qualification

General Information			
Appearance	Orange		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183/D
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	12.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw D	76		ISO 868
Shaw D, 15 seconds	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	36.0	MPa	ISO 527-2
Fracture	60.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	ISO 527-2
Fracture	> 250	%	ISO 527-2
Flexural Modulus	1060	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	ISO 179/1eA
23°C	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	77.0	°C	ISO 75-2/B
1.8 MPa, not annealed	51.0	°C	ISO 75-2/A
Melting Temperature	175 - 179	°C	ISO 11357-3
Additional Information			

Test pieces conditioned in 15 days, 23°C - 50% R.H.

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