

Armlen PP-2FR

A low-combustible polypropylene. Compliant with RoHS.

Designed for injection moulding and extrusion of various items and parts for electronic and general purposes.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	980
Yield stress	ISO 527	MPa	40
Strain at Break	ISO 527	%	69
Tensile Modulus	ISO 527	MPa	1600
Flexural Stress at maximum load	ISO 178	MPa	38
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	66
Charpy Impact Strength at -40°C (notched)	ISO 179-1	kJ/m ²	15
THERMAL			
Melting Point	ISO 11357	°C	160
Deflection Temperature at 0.45 MPa load	ISO 75	°C	106
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	10
Melt Temperature		°C	230
Mold Temperature		°C	60
Moulding Shrinkage	ISO 294-4	%	1.1-1.3
Flammability			
Safety of flammability	UL 94		V2
Temperature resistance, hot wire ignition	IEC 60695-2-10	°C	850
Proof tracking index	IEC 60112	V	550

Comment:

*All processing parameters as well as information on shrinkage specimen should be requested from the manufacturer.
If stored in a dry warehouse – dehydration not required*

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