

## Armlen PP E/P 20-4MLS

An impact modified, light-stabilized polypropylene. This material displays a high resistance to impact, including impacts in a low temperature environment; high elasticity, frost-resistance and resistance to alternating loads.

Designed for bumper manufacture and a number of car lining parts, available for further dye with enamels.

Available in black, natural and graphite.

Properties	Test method	Unit	Typical value
<b>MISCELLANEOUS</b>			
Density	ISO 1183	kg/m <sup>3</sup>	910
Yield Stress	ISO 527	MPa	19
Strain at Break	ISO 527-1	%	350
Flexural Stress at maximum load	ISO 178	MPa	36
Tensile Modulus	ISO 178	MPa	1100
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	No break
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	No break
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m <sup>2</sup>	25
<b>THERMAL</b>			
Melting Point	ISO 11357	°C	160
Deflection Temperature at 0.45 MPa load	ISO 75	°C	88
Deflection Temperature at 1.8 MPa load	ISO 75	°C	50
<b>PROCESSING</b>			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	16
Melt Temperature		°C	220
Mold Temperature		°C	40
Moulding Shrinkage	ISO 294-4	%	1.0-1.2

*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*

*Date of issue 13.01.2023*

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