POLYMAN® (ABS) LP 500 RCP

ABS LyondellBasell Industries

Product Texts

ABS industrial quality

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**27**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2500**	MPa	ISO 527
[C] Yield stress	**42**	MPa	ISO 527
[C] Yield strain	**2.5**	%	ISO 527
[C] Charpy impact strength, +23°C	**36**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**74**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**85**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**95**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1060**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**210 - 260**	°C	-
Mold temperature	**40 - 70**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Granules

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Additives
Release agent

Other text information

Injection molding
PREPROCESSING; **Pretreatment**
Predrying: 2-4h / 80°C

PROCESSING ;**Processing:**

Melttemperature	210 - 260	°C
Mouldtemperature	40 - 70	°C