POLYMAN® (ABS) HH 3 D

ABS — LyondellBasell Industries

Product Texts

Increased heat resistant ABS with good flow behaviour, also available as low emission grade

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

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2300**	MPa	ISO 527
[C] Yield stress	**49**	MPa	ISO 527
[C] Yield strain	**2.8**	%	ISO 527
[C] Charpy impact strength, +23°C	**70**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**27**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**6**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**104**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**109**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**108**	°C	ISO 306
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**1E11**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	**>1E15**	Ohm	IEC 62631-3-2
[C] Comparative tracking index	**600**	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1050**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**220 - 260**	°C	-
Mold temperature	**40 - 80**	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Platable, Heat stabilized or stable to heat

Delivery form
Granules

Additives
Release agent

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

Other text information

Injection molding
PREPROCESSING; **Pretreatment**
Predrying: 3-4h / 80°C

PROCESSING ;**Processing:**

Melttemperature	220 - 260	°C
Mouldtemperature	40 - 80	°C