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This is the free Material Data Center Datasheet of POLYLAC PA-758 - ABS - Chi Mei Corporation

Material Data Center offers the following functions for POLYLAC PA-758:
unit conversion, PDF datasheet print, comparison with other plastics

Check here, which other [Polylac](#) datasheets, application examples or technical articles are available in Material Data Center

Use the following short links to get directly to the properties of interest in this datasheet:

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	34	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	1	kg	-
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	0.5	kg	-
Mechanical properties			
	Value	Unit	Test Standard
ISO Data			
Yield stress	42	MPa	ISO 527
Stress at break	33	MPa	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A
Ball indentation hardness	90	MPa	ISO 2039-1
ASTM Data			
Tensile Strength	39.6	MPa	ASTM D 638
Tensile Strength at Yield	40	MPa	ASTM D 638
Flexural Modulus	1862	MPa	ASTM D 790
Flexural Strength	53.6	MPa	ASTM D 790
Rockwell Hardness	R 107	-	ASTM D 785
Izod Impact notched, 1/4 in	160	J/m	ASTM D 256
Thermal properties			
	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Vicat softening temperature, A	104	°C	ISO 306
Vicat softening temperature, B	96	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 264 psi	88	°C	ASTM D 648
Vicat Temperature	105	°C	ASTM D 1525
Optical properties			
	Value	Unit	Test Standard
ASTM Data			
Haze	4	%	ASTM D 1003
Light Transmittance	89	%	ASTM D 1003
Other properties			
	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183
Density	1080	kg/m ³	ASTM D 792

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Transparent

Certifications

Food contact, Food approval FDA 21 CFR

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

Asia Pacific

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