

# ASA Material



GB/T 19001-2016 / ISO9001:2015 / ASTM D

XINXINAG CHUANGMEI TECHNOLOGY CO., LTD.



创美 开启梦想  
▶ OPEN DREAM

## ASA Granules for Ceiling Panels

【DATE: 2019-12-14】

## Technical Data Sheet

### Physical Properties

Item	Unit	Result	Standard
Density	g/cm <sup>3</sup>	1.089	ASTM D792-13
Melt Flow Rate	g/10min	12.6	GB/T 3682-2000
Mold Shrinkage	0.5-0.9	%	ISO294-4

### Mechanical Properties

Item	Unit	Result	Standard
Tensile Yield Strength	Mpa	39.3	ASTM D638-14
Elongation	%	12	ASTM D638-14
Flexural Modulus	Mpa	1990	ASTM D790-17
Bending Strength	Mpa	61.1	ASTM D790-17
Rockwell Hardness	R	106	ASTM D785

### Impact Properties

Item	Unit	Result	Standard
IZOD Notch Impact	J/m	293	ASTM D256-10(2018)
Notch Impact Strength of Simple Beam	kJ/m <sup>2</sup>	2.8	GB/T 1043-1993

### Thermal Properties

Item	Unit	Result	Standard
Load Deformation Temperature (DTUL)	°C	79	ASTM D648-18
Vicat Softening Temperature	°C	83.6	GB/T 1633-2000
HDT, 1.8Mpa	°C	97	ISO 75-2/A
CTE	1/°C	8.0E-5 to 1.1E-4	ISO 11359-2

### Extrusion

Forming Temperature	°C	180-220
Drying Temperature	°C	80-95
Drying Time	h	3-5