

# Centrex ASA 821 1829 UVBLK

## LyondellBasell Industries - Acrylonitrile Styrene Acrylate

### General Information

#### Product Description

Centrex ASA 821 is an injection molding grade with enhanced heat resistance and best chemical resistance among the ASA grades.

#### General

Features	• Chemical Resistant	• Good Stiffness	• UV Resistant
Uses	• Household Goods	• Housings	
Forms	• Pellets		
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	342000	psi	ISO 527-1
Tensile Stress (Yield, 73°F)	6670	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	2.3	%	ISO 527-2
Nominal Tensile Strain at Break (73°F)	34	%	ISO 527-2
Flexural Stress (73°F)	10700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	1.9	ft·lb/in <sup>2</sup>	
73°F	7.1	ft·lb/in <sup>2</sup>	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	207	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	185	°F	ISO 75-2/A
Vicat Softening Temperature	210	°F	ISO 306

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	464 to 536	°F
Mold Temperature	104 to 176	°F

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.