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AVP™ GCC30CU

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Technical Data

General			
Additive	• UV Stabilizer		
Recycled Content	• Yes		
Features	• Good Flow • Good Impact Resistance	• Good UV Resistance • Medium Gloss	
Uses	• Appliance Components	• Automotive Applications	• Communication Applications
Appearance	• Black	• Grey	• White
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.90	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2280	MPa	ASTM D638
Tensile Strength [4] (Yield, 3.18 mm)	42.1	MPa	ASTM D638
Tensile Elongation (Yield)	18	%	ASTM D638
Flexural Modulus [5] (3.18 mm)	2410	MPa	ASTM D790
Flexural Strength [5] (3.18 mm)	72.4	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 3.18 mm)	104		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load 1.8 MPa, Unannealed, 6.35 mm	87.8	°C	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm, ALL)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	87.8	°C
Drying Time	2.0	hr
Drying Time, Maximum	3.0	hr
Processing (Melt) Temp	218 to 260	°C
Mold Temperature	48.9 to 65.6	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	30 to 60	rpm