



**NORYL™ Resin APS430**  
**Asia Pacific: COMMERCIAL**

TYPICAL PROPERTIES <sup>1</sup>	TYPICAL VALUE	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, yield	1250	kgf/cm <sup>2</sup>	SABIC - Japan Method
Tensile Strain, break	10 - 10	%	SABIC - Japan Method
Flexural Stress	1690	kgf/cm <sup>2</sup>	ASTM D 790
Flexural Modulus	87800	kgf/cm <sup>2</sup>	ASTM D 790
<b>IMPACT</b>			
Izod Impact, notched, 23°C	7	cm-kgf/cm	ASTM D 256
<b>THERMAL</b>			
HDT, 0.45 MPa, 3.2 mm, unannealed	255	°C	ASTM D 648
CTE, -30°C to 30°C	1.8E-05 - 5.8E-05	1/°C	TMA
<b>PHYSICAL</b>			
Specific Gravity	1.48	-	ASTM D 792
Water Absorption, 24 hours	0.02	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm (5)	0.3 - 0.7	%	SABIC Method
<b>ELECTRICAL</b>			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	3.3	-	ASTM D 150
<b>FLAME CHARACTERISTICS</b>			
UL Recognized, 94V-0 Flame Class Rating (3)	0.8	mm	UL 94

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

Source GMD, last updated:

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