

Spartech Royalite R922 PC/ABS Aircraft Grade Sheet

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Description: Aircraft Grade Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Royalite-R922-PCABS-Aircraft-Grade-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 - 1.24 g/cc	1.19 - 1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	54.1 MPa	7850 psi	ASTM D638
Flexural Yield Strength	91.0 MPa	13200 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	4.81 J/cm	9.00 ft-lb/in	73°F; ASTM D256
	0.801 J/cm	1.50 ft-lb/in	ASTM D256
	@Temperature -28.9 °C	@Temperature -20.0 °F	
Impact Test	33.9 J	25.0 ft-lb	Dynatup Instrumented Impact; ASTM D3763
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D648

Descriptive Properties	Value	Comments
FAA 12 Second Vertical Burn	Passes	FAR Pt 25, App F, Pt I
FAA 60 Second Vertical Burn	Passes	FAR Pt 25, App F, Pt I
Flammability	Passes	MVSS (Motor Vehicle Safety Standard) 302
Toxic Gas Generation	Passes	Boeing/Airbus

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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