



Hybrid[®] S459HTP PC/ABS Alloy Resin



Product Attributes

- High Impact
- High Heat
- High Flow
- Paintable
- Platable



Chrysler Material Approvals (as of 4-11-02)

- MS DB195 Type D CPN3336 (Gray Paintable)
- MS DB195 Type D CPN4221 (Gray Platable)
- MS DB195 Type D CPN3401 (Black)

Approved Paint System

- Base Coat- Red Spot 1K 240^oF Bake
- Topcoat- Red Spot 1K High Gloss UV Clearcoat

TYPICAL PROPERTIES [†]	METHOD	UNIT	VALUES
PHYSICAL			
Melt Flow Index (@250°C/5.0kg)	ASTM D1238	g/10min	25
Specific Gravity	ASTM D792	-	1.10
Mold Shrinkage (Flow, 1/8 in.)	ASTM D955	in/in x 10 ⁻³	5-7
MECHANICAL @ 73°F*			
Izod Impact Strength (Notched)	ASTM D256	ft•lb/in	11.0
		J/m	587
Tensile Strength at Yield	ASTM D638	psi	7,800
		MPa	54
Elongation at Break	ASTM D638	%	60
Flexural Modulus	ASTM D790	psi	330,000
		MPa	2,276
Flexural Strength at Break	ASTM D790	psi	11,000
		MPa	76
THERMAL*			
Heat Deflection Temp. (1/4" Specimens) 264 psi Unannealed	ASTM D648	°F	219
		°C	104
66 psi Unannealed 0.46 MPa		°F	255
		°C	124

[†]The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits or used alone as a basis for design. This information is not intended as a warranty of any kind. Buyers must make their own representative test and assume all risks of use, whether used alone or in combination with other products. Entec Polymers, LLC assumes no obligation or liability of any advice furnished by it or results obtained with respect to these products. All warranties expressed or implied including warranties of merchantability for a particular purpose or use are excluded and disclaimed. Entec Polymers, LLC assumes no liability for use of products in infringement of any patent. The foregoing limitation of remedy and exclusion of liability is reflected in and is part of the consideration for the price at which the products are sold by Entec Polymers, LLC. All data displayed herein has been obtained via testing of injection-molded specimens of natural color. Pigmentation may affect certain properties to various degrees.

^λ Shrinkage data are general guidelines and are only intended to allow comparison to other materials. They should not be used as the sole source of information for generating core and cavity mold dimensions.

All mechanical and thermal testing conducted on 1/8" thick test specimens.

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