

Dayson Polymers, LLC

TRILOY® 200

Acrylonitrile Butadiene Styrene & PC Alloy

Property	Test Condition	Nominal Values (English)	Test Method
Physical			
Density – Specific Gravity	sp gr 23/23°C	1.08	ASTM 792
Melt Flow Rate	250°C/5.0 kg	11 g/10min	ASTM D1238
Mold Shrink, Linear-Flow (0.118in)	in/in	0.0050 to 0.0070	ASTM 955
Water Absorption @ 24 hours	%	.20	ASTM D570
Mechanical			
Tensile Strength		7,820 psi	ASTM D638
Tensile Elongation @ Break	%	100	ASTM D638
Flexural Modulus		312,914 psi	ASTM D790
Flexural Strength		11,100 psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125in)	ft-lb/in	13.78	ASTM D256
Hardness			
Rockwell Hardness	R-Scale	115	ASTM D785
Thermal			
DTUL @ 264 psi - Unannealed		216 °F	ASTM D648
CLTE, Flow	in/in/°F	4.1E-005	ASTM D696
Electrical			
Volume Resistivity		5.0E+016 ohm-cm	ASTM D257
Dielectric Strength	V/mil	635	ASTM D149
Dielectric Constant	1000000 Hz	3.000	ASTM D150
Dissipation Factor	1000000 Hz	0.0090	ASTM D150
Arc Resistance	sec	123	ASTM D495
Ignition Characteristics			
Flame Rating – UL (0.0625in)		HB	UL94

PROCESSING INFORMATION

INJECTION MOLDING PARAMETERS	NOMINAL VALUES (ENGLISH)
DRYING TEMPERATURE	248 °F
DRYING TIME	3.0 HR
REAR TEMPERATURE	392 to 428 °F
MIDDLE TEMPERATURE	428 to 446 °F
FRONT TEMPERATURE	446 to 464 °F
NOZZLE TEMPERATURE	464 to 482 °F
MOLD TEMPERATURE	140 to 176 °F
INJECTION PRESSURE	5690 to 11400 psi
SCREW SPEED	40 to 60 rpm

AUTOMOTIVE EXTERIOR PARTS, AUTOMOTIVE INTERIOR PARTS, STRUCTURAL PARTS

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Remark: The values presented on the above are typical laboratory averages. All data generated is based on natural material. To the best of our knowledge the information contained in this publication is accurate, however, we do not assume any liability whatsoever for the accuracy or completeness of such information. Since we have no control over the use to which others may put our product, we cannot guarantee that results the same as those described in this publication will be obtained. The buyer assumes sole responsibility for results obtained in reliance upon this publication. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves as to such suitability and they can meet all applicable safety and health standards.