

Triax 1185

Acrylonitrile Butadiene Styrene / Polyamide (ABS/PA)

TECHNICAL DATASHEET

DESCRIPTION

Triax 1185 is an ABS (Acrylonitrile Butadiene Styrene) polyamide alloy for injection molding.

FEATURES

- Excellent processability
- Good chemical resistance
- Excellent abrasion resistance
- Excellent surface appearance
- UL 94HB certified

APPLICATIONS

- Components for recreation vehicles
- Industrial and consumer applications
- Snowmobiles, ATVs, Side by sides

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 250 °C/5 kg	ASTM D 1238	g/10 min	11
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	19
Izod Notched Impact Strength, -18 °C (0 °F)	ASTM D 256	ft-lb/in	15
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	35
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	4890
Tensile Modulus (MD)	ASTM D 882	psi	2230
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	191
Maximum Force, FM - Penetration Test, -30 °C	-	-	11
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	385
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	124
DTUL @ 66 psi - Unannealed	ASTM D 648	°F	180
Coefficient of Linear Thermal Expansion	ASTM D 696	10 ⁻⁴ /°F	0.66
Optical Properties			
Specular Gloss, 60 °	ASTM D 523		93

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Property, Test Condition	Standard	Unit	Values
Other Properties			
Density	ASTM D 792	lb/in ³	1.07
Processing			
Melt Temperature Range	-	°F	460 - 520
Mold Temperature Range	-	°F	100 - 200