

Triax 1315

Acrylonitrile Butadiene Styrene / Polyamide (ABS/PA)

TECHNICAL DATASHEET

DESCRIPTION

Triax 1315 is an ABS (Acrylonitrile Butadiene Styrene) polyamide alloy with glass reinforcement for injection molding

FEATURES

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

APPLICATIONS

- Housings, shrouds
- Lawn and garden equipment
- Automotive interior functional components
- Automotive shrouds and housings
- Power tools

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 250 °C/5 kg	ASTM D 1238	g/10 min	3.5
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	2.1
Izod Notched Impact Strength, -40 °C (-40 °F)	ASTM D 256	ft-lb/in	1.3
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	10900
Tensile Modulus (MD)	ASTM D 882	psi	6700
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	545
Hardness, Rockwell	ASTM D 785	R scale	101
Maximum Force, FM - Penetration Test, -30 °C	-	-	3.5
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	390
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	207
DTUL @ 66 psi - Unannealed	ASTM D 648	°F	334
Coefficient of Linear Thermal Expansion	ASTM D 696	10 ⁻⁴ /°F	0.25
Optical Properties			
Specular Gloss, 60 °	ASTM D 523		26

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Property, Test Condition	Standard	Unit	Values
Other Properties			
Density	ASTM D 792	lb/in ³	1.17
Processing			
Melt Temperature Range	-	°F	460 - 520
Mold Temperature Range	-	°F	100 - 150