

Properties for ReZen PA6 30HM

Product Name: ReZen PA6 30HM

Status: Preliminary

Description: Nylon 6, Heat Stabilized, Impact Modified

Appearance: Black and Natural

Processing Methods: Injection Molding

Applications: Automotive, Material Handling, Industrial

Mechanical Properties	SI	English	Test Method
Tensile Strength	63 MPa	9,200 psi	ASTM D638
Elongation at Break	40.0%	40.0%	ASTM D638
Flexural Modulus	2,172 MPa	315,000 psi	ASTM D790
Flexural Strength	83 MPa	12,000 psi	ASTM D790
Notched Izod Impact (73 °F)	160 J/m	3.0 ft-lb/in	ASTM D256
Physical Properties	SI	English	Test Method
Specific Gravity	1.09 sp gr	1.09 sp gr	ASTM D792
Mold Shrinkage, flow 0.125" (3.2mm)	0.014 mm/mm	0.014 in/in	ASTM D955
Thermal Properties	SI	English	Test Method
Heat Deflection Temperature, unannealed, 0.125" (3.2mm) 264 psi (1.82 MPa), Load	60 °C	140 °F	ASTM D648

This mechanical property test data has been developed using injection molded specimens tested under standardized conditions; furthermore, many of the mechanical properties of the thermoplastic materials can be influenced by changes in processing conditions, environmental factors such as temperature and humidity, and rate of application of stress. Therefore, these test results, which characterized typical production material, should not be used either to establish specification limits or alone as the basis for engineering design.