LNP™ THERMOCOMP™ Compound RX98372H

FORMERLY KNOWN AS "PDX-R-98372 EES HC"
REGION ASIA

DESCRIPTION

LNP THERMOCOMP RX98372H compound is based on Nylon 6/6 resin containing 60% glass fiber. Added features of this grade include: Healthcare.

GENERAL INFORMATION	
Features	Healthcare/Formula lock, High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
Polymer Types	Polyamide 66 (Nylon 66)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Hygiene and Healthcare	Pharmaceutical Packaging and Drug Delivery, Surgical devices, General Healthcare, Patient Testing
Packaging	Industrial Packaging

TYPICAL PROPERTY VALUES

Revision 20260204

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break	237	MPa	ASTM D638
Tensile Strain, break	2	%	ASTM D638
Tensile Modulus, 50 mm/min	22550	MPa	ASTM D638
Flexural Stress	358	MPa	ASTM D790
Flexural Modulus	19960	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	1130	J/m	ASTM D4812
Izod Impact, notched, 23°C	106	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	253	°C	ASTM D648
PHYSICAL [1]			
Density	1.76	g/cm³	ASTM D792
Mold Shrinkage, flow, 24 hrs [2]	0.4 – 0.6	%	ASTM D955

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
(2) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

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