americhem
PERFORMANCE | SOLUTIONS | TRUST

ColorFast® NY5MR

Product Description Transparent nylon 12 with mold release

Material Status Commercial: Active

Availability Africa & Middle East, Asia Pacific, Europe, Latin America, North America

Features Excellent Colorability, Good Mold Release, Lubricated

Uses Closures, Consumer Applications, Engineering Parts, Household Goods, Housings, Industrial Applications, Industrial Parts, Outdoor Applications

Forms Pellets

Processing Method Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm³	ISO 1183
Molding Shrinkage	0.80	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	45.0	MPa	
Break	50.0	MPa	
Tensile Strain (Yield)	5.0	%	ISO 527-2

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	50.0	°C	

Notes

[1] Typical properties: these are not to be construed as specifications.

Properties provided are only typical values and Americhem assumes no liability for the customer's use of the information provided. The customer assumes all responsibility for testing determining this products suitability in the customer's specific end application.

Revision Date: 9/16/2024

Americhem World Headquarters
2000 Americhem Way
Cuyahoga Falls, OH 44221
Tel: +1 330 929 4213
Toll Free: +1 800 228 3476

Americhem Engineered Compounds
20 Progress Drive
Morrisvillle, PA 19067
Tel: +1 215 736 1126
Toll Free: +1 800 863 4260