NYCOA Polyamide 5114

Polyamide 66

Nycoa (Nylon Corporation of America)

Message:

NYCOA 5114 is a 14% glass fiber reinforced, impact modified, Nylon 66 that offers an excellent balance of mechanical properties. This grade features a higher degree of impact strength vs. traditional glassfilled Nylons.
NYCOA 5114 is suitable for injection molding and can be found in applications in the hardware, and automotive industries.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 14% filler by weight		
Additive	Impact modifier		
Features	Impact modification Impact resistance, good		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.18	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]	100	MPa	ASTM D638
Tensile Elongation [2] (Break)	12	%	ASTM D638
Flexural Modulus [3]	3600	MPa	ASTM D790
Flexural Strength [4]	130	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (6.35 mm)	140	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	248	°C	ASTM D648
1.8 MPa, not annealed	222	°C	ASTM D648
Melting Temperature	260	°C	DSC

Additional Information
The value listed as Melting Point DSC, was tested in accordance with ASTM D789.

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	50 mm/min
4.	50 mm/min

Recommended distributors for this material

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