NYCOA Polyamide 1637

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 1637 is a plasticized, heat stabilized extrusion material used by the wire and cable industry for protective jacketing.
NYCOA 1637 is available as a low or a high viscosity material in order to facilitate ease of processing over a range of line speeds. In addition NYCOA 1637 is available in a higher extractable version for improved flexibility in MCM size wire.
NYCOA 1637 is available with custom additive packages: UV stabilizer, flame retardant and/or custom colors.
NYCOA 1637 meets the rigorous requirements for a protective material and has been recognized by the Underwriters' Laboratories for jacketing of Type THHN and Type THWN thermoplastic-insulated wire.

General Information			
Additive	heat stabilizer Plasticizer		
Features	Plasticized Thermal Stability		
Uses	Cable sheath Wire sheath		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.13	g/cm³	ASTM D792
Water Absorption (24 hr)	2.5	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]	73.8	MPa	ASTM D638
Tensile Elongation [2] (Break)	100	%	ASTM D638
Flexural Modulus [3]	2100	MPa	ASTM D790
Flexural Strength [4]	79.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (6.35 mm)	51	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	54.4	°C	ASTM D648
Melting Temperature	220	°C	
Additional Information			
The value listed as Melting Point was tested in accordance with ASTM D789.Tensile Elongation at Break, ASTM 638: 100+%			
NOTE			

1.	51 mm/min
2.	51 mm/min
3.	51 mm/min
4.	51 mm/min

Recommended distributors for this material

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