

Nycast 612VS C-80

Polyamide 612

Cast Nylons Ltd.

Message:

Nycast 612VS C-80 is a Polyamide 612 (Nylon 612) material. It is available in North America for casting.

Typical applications include:

Engineering/Industrial Parts

Seating

General Information			
Uses	Seats Valves/Valve Parts		
Appearance	Yellow		
Forms	Pellets		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.30	%	
Saturation	4.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ASTM D638
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Yield)	25	%	ASTM D638
Flexural Modulus	1970	MPa	ASTM D790
Flexural Strength (Yield)	103	MPa	ASTM D790
Shear Strength	52.4	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	98.9	°C	ASTM D794
Melting Temperature	210	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696

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Recommended distributors for this material

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