

Zytel® FE3734 NC010

NYLON RESIN
DuPont Performance Polymers

Message:
Unreinforced Polyamide 612

General Information				
Additive		Lubricant Mold Release		
Features		Lubricated		
Forms		Pellets		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA612<		
Resin ID (ISO 1043)		PA612		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.07	--	g/cm ³	ISO 1183
Molding Shrinkage				
Flow : 3.20 mm	1.1	--	%	Internal Method
Across Flow : 3.20 mm	1.1	--	%	Internal Method
Across Flow	1.4	--	%	ISO 294-4
Flow	1.3	--	%	ISO 294-4
Water Absorption				ISO 62
23°C, 24 hr, 2.00 mm	3.0	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.3	--	%	
Viscosity Number	95.0	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	114	--		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2400	1600	MPa	ISO 527-2
Tensile Stress (Yield)	59.0	56.0	MPa	ISO 527-2
Tensile Strain (Yield)	13	21	%	ISO 527-2
Nominal Tensile Strain at Break	38	30	%	ISO 527-2
Flexural Modulus	2200	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.8	5.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU

-30°C	No Break	--		
23°C	No Break	--		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	63.0	--	°C	ISO 75-2/A
Melting Temperature ¹	218	--	°C	ISO 11357-3
NOTE				
1.	10°C/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT