

Zytel® RS 32CG20HSL BK409

RENEWABLY SOURCED™ POLYAMIDES*

DuPont Performance Polymers

Message:

20% Carbon/Glass Reinforced, Renewably Sourced, Polyamide 610

General Information				
Filler / Reinforcement	Glass\Carbon Fiber,20% Filler by Weight			
Additive	Heat Stabilizer Mold Release			
Features	Heat Stabilized Statically Conductive			
Forms	Pellets			
Processing Method	Injection Molding			
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1) Secant Modulus vs. Strain (ISO 11403-1) Shear Modulus vs. Temperature (ISO 11403-1) Tensile Modulus vs. Temperature (ISO 11403-1)			
Part Marking Code (ISO 11469)	>PA610-(CF+GF)20<			
Resin ID (ISO 1043)	PA610-(CF+GF)20			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 2.00 mm, 50% RH)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11000	8000	MPa	ISO 527-2
Tensile Stress (Break)	150	110	MPa	ISO 527-2
Tensile Strain (Break)	5.0	5.0	%	ISO 527-2
Flexural Modulus	9900	--	MPa	ISO 178
Thermal	Dry	Conditioned	Unit	Test Method
Glass Transition Temperature ¹	60.0	--	°C	ISO 11357-2
Melting Temperature ²	224	--	°C	ISO 11357-3
Flammability	Dry	Conditioned		Test Method
Flammability Classification (1.50 mm)	HB	--		IEC 60695-11-10, -20
NOTE				

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| 1. | 10°C/min |
| 2. | 10°C/min |
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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

