

UDea™ EcoPaXX® Q20HC60

PA410–CF60

60% Continuous Carbon Fiber Reinforced, Uni-Directional Tape, Heat Stabilized, Black

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
GENERAL PHYSICAL PROPERTIES			
	<i>DRY / COND</i>		
Density	1430 / –	kg/m ³	ISO 1183
Fiber content (V/V)	48	%	ISO 11667
PHYSICAL TAPE PROPERTIES			
	<i>VALUE</i>		
Areal weight – Tape	286	g/m ²	ISO 1172
Thickness – Tape	0.2	mm	
MECHANICAL TAPE PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus – 0° – Tape	135 / –	GPa	ISO 527–4/–5
Stress at break – 0° – Tape	1700 / –	MPa	ISO 527–4/–5
Strain at break – 0° – Tape	1.4 / –	%	ISO 527–4/–5
THERMAL PROPERTIES			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	248 / *	°C	ISO 11357–1/–3
Glass transition temperature (10°C/min)	70 / *	°C	ISO 11357–1/–2
OTHER PROPERTIES			
	<i>DRY / COND</i>		
Humidity absorption	0.8 / *	%	Sim. to ISO 62