

PROPERTIES	TEST METHOD	UNITS	GRADE					
			CET 116	CET 123	CET 240	CET 250	CET 265	
<b>Physical</b>								
Melt Flow Index	ASTM D1238 (200°C/5.0 Kg)	g/10 min	3.0	3.0	6.0	6.0	8.0	
	ASTM D1238 (230°C/3.8 Kg)	g/10 min	13	12	18	21	23	
Specific Gravity	ASTM D792	---	1.08	1.09	1.05	1.04	1.03	
<b>Mechanical</b>								
Izod Impact Notched 0.5 x 0.125 in (12.7 x 3.2 mm) bar	ASTM D256	lb-ft/in	0.3	0.3	0.4	0.7	9.2	
		J/m	16	16	21	37	491	
Izod Impact Unnotched 0.5 x 0.125 in (12.7 x 3.2 mm) bar	ASTM D256	lb-ft/in	3.5	3.4	4.8	No Bk	No Bk	
		J/m	187	181	256	No Bk	No Bk	
Tensile Strength @ Yield	ASTM D638 @ 0.2 in/min (5 mm/min)	Kpsi	7.1	7.2	3.9	2.8	2.0	
		MPa	49	49	27	19	14	
Elongation @ Yield		%	2.0	2.0	2.0	1.0	1.0	
Tensile Strength @ Break		Kpsi	8.2	8.6	3.6	3.2	3.0	
		MPa	56	59	25	22	20	
Elongation @ Break		%	3	2	70	160	260	
Tensile Modulus		Kpsi	444	445	272	222	163	
		MPa	3,058	3,069	1,877	1,529	1,127	
Tensile Strength @ Yield		ASTM D638 @ 2.0 in/min (50 mm/min)	Kpsi	7.5	7.6	4.5	3.3	N/A
			MPa	52	52	31	22	N/A
Elongation @ Yield	%		2.0	2.0	2.0	2.0	N/A	
Tensile Strength @ Break	Kpsi		9.1	8.8	3.9	3.2	N/A	
	MPa		63	60	27	22	N/A	
Elongation @ Break	%		2	3	20	80	N/A	
Tensile Modulus	Kpsi		477	456	299	242	N/A	
	MPa		3,286	3,142	2,059	1,668	N/A	
<b>Thermal</b>								
Heat Distortion Temperature 0.5 x 0.5 in (12.7 x 12.7 mm) bar	ASTM D648 @ 264 psi (1.82 MPa)		°F	190	184	173	159	N/A
		°C	88	85	79	70	N/A	
Vicat Softening Point 0.5 x 0.125 in (12.7 x 3.2 mm) bar	ASTM D1525 @ 2.25 lbf (10N)	°F	219	216	208	194	N/A	
		°C	104	102	98	90	N/A	
<b>Optical</b>								
Haze	ASTM D1003	%	0.4%	0.9%	3.3%	5.0%	4.9%	
Light Transmittance		%	92%	92%	88%	87%	88%	