



TYPICAL PROPERTIES	TEST STANDARD	UNITS S.I.	ML-1640	ML-1650	ML-1660	ML-1670	ML-1680	ML-1690
<b>DENSITY</b>	ISO 1183	kg/m <sup>3</sup>	1000	1000	1000	1000	1000	1000
<b>HARDNESS (5 SEC DELAY)</b> Injection molded sample	ISO 868	Shore A or D	41A	50A	60A	67A	78A	89A
<b>TENSILE PROPERTIES</b>								
<b>Flow direction</b>								
Tensile strength at break	ISO 37	MPa	4.3	5	5.8	6.2	7.7	10.1
Modulus at 100% elongation		MPa	1.3	1.7	2.2	2.7	3.8	6.2
Elongation at break		%	816	782	741	700	652	575
<b>Cross flow direction</b>								
Tensile strength at break		MPa	5.7	6.3	6.7	6.7	7.5	8.1
Modulus at 100% elongation		MPa	0.8	1.2	1.6	2.0	3.0	4.9
Elongation at break		%	980	921	855	796	704	591
<b>TEAR STRENGTH</b>								
<b>Cross flow direction</b>								
Unnicked angle	ISO 34B	kN/m	16	19	23	26	35	48
<b>COMPRESSION SET</b>								
22 hrs @ 23°C	ISO 815	%	16	19	22	27	37	38
22 hrs @ 70°C		%	33	37	43	46	53	62
70 hrs @ 90°C		%	61	63	65	68	72	76
<b>HOT AIR AGING</b>								
<b>Cross flow direction</b>								
<b>168 hrs @ 125°C</b>								
Change in hardness	ISO 188	pts	1	3	4	3	2	-1
Change in tensile strength at break		%	22	12	12	10	8	15
Change in modulus at 100% elongation		%	27	4	5	6	8	12
Change in elongation at break		%	3	9	10	11	12	9
<b>1000 hrs @ 110°C</b>								
Change in hardness		pts	3	3	3	3	3	1
Change in tensile strength at break		%	23	13	8	3	5	3
Change in modulus at 100% elongation		%	1	3	3	10	10	10
Change in elongation at break		%	11	6	7	-5	6	-5
<b>APPARENT SHEAR VISCOSITY</b> @ 206 1/s, 200°C	ISO 11443 Capillary	Pa.s	122	113	113	111	120	133

**FEATURES**

- High flow for improved moldability and surface appearance
- Lower density for reduced part weight
- Available from 40 to 90 Shore A, in natural and black

**TRANSPORTATION SEGMENTS**

- Interior

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