

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	65	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	12	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	65	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Tensile Strength at Break	68.9	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	130	%	ASTM D 638
Flexural Modulus	2340	MPa	ASTM D 790
Rockwell Hardness	R118	-	ASTM D 785
Taber Abrasion Resistance	10	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	690	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	3200	J/m	ASTM D 256
<b>Thermal properties</b>			
Value	Unit	Test Standard	
<b>ASTM Data</b>			
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	129	°C	ASTM D 648
Vicat Temperature	154	°C	ASTM D 1525
Thermal Conductivity, solid state	0.036	W/(m K)	ASTM C 177
Specific Heat	1260	J/(kg K)	ASTM C 351
<b>Optical properties</b>			
Value	Unit	Test Standard	
<b>ASTM Data</b>			
Haze	1	%	ASTM D 1003
Light Transmittance	88	%	ASTM D 1003
Index of Refraction	1.59	-	ASTM D 542
<b>Other properties</b>			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.15	%	ASTM D 570
Water Absorption, Equilibrium	0.35	%	ASTM D 570
Density	1200	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Pellets, Black

**Regional Availability**

North America