

Diamond ABS TR-5000

ABS

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.1	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	48.8	MPa	ASTM D 638
Flexural Modulus	2303	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 264 psi	72.8	°C	ASTM D 648
Optical properties			
ASTM Data			
Haze	4.2	%	ASTM D 1003
Light Transmittance	88	%	ASTM D 1003
Other properties			
Density	1110	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Transparent

Regional Availability

North America