



**Component - Plastics**

File Number: E51193

LyondellBasell Advanced Polymers, Inc.

1221 McKinney St, Suite 300  
Houston, TX 77010 United States



**TPP20(ww)(CC)UL(f3) (f4)(ZZ)**

Polypropylene (PP), pellets, mineral reinforced

(CC) - Represents a two digit number from 01 to 99 inclusive or a four digit number from 0001 to 9999 inclusive.

(f3) - Suitable for use with respect to exposure to detergents, bleach and solutions typically used in fluid containing parts of laundry equipment, in accordance with UL 2157

(f4) - Suitable for use with respect to exposure to aqueous dishwasher detergent solution and/or rinse agent solution in accordance with UL 749.

(ww) - Represents two letters, AA to AK inclusive, WA to WB inclusive or YA to YD inclusive or AW.

(ZZ) - TPP20AG13UL-NA may be supplied to the molder as two components identified as TPP40AG47UL-NA and EXXON

PP-1352E1 to be blended in a 50/50 ratio prior to molding

NOTE - All designations may be followed by an optional hyphen, followed by an alphanumeric color code

Flammability	Value	Test Method
Flame Rating		UL 94
0.030 in, ALL	HB	
0.06 in, ALL	HB	
0.12 in, ALL	HB	
Flammability Classification		IEC 60695-11-10, -20
0.12 in, ALL	HB40	
0.030 in, ALL	HB75	
0.06 in, ALL	HB75	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.030 in	PLC 4	
0.06 in	PLC 3	
0.12 in	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
0.030 in	PLC 0	
0.06 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Arc Resistance	PLC 4	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.030 in	248 °F	
0.06 in	248 °F	
0.12 in	248 °F	
RTI Imp		UL 746B
0.030 in	248 °F	
0.06 in	248 °F	
0.12 in	248 °F	
RTI Str		UL 746B
0.030 in	248 °F	
0.06 in	248 °F	
0.12 in	248 °F	



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