# POPTREE 6001

### Polyethylene

## POLYROCKS CHEMICAL CO., LTD

#### Message:

POPTREE 6001 is a Polyethylene product. It is available in Asia Pacific. Typical application: Consumer Goods. Characteristics include: Flame Rated Chemical Resistant Flame Retardant High Flow

Features   Flame Retardant     Good Chemical Resistance   High Flow     Uses   Consumer Applications     UL File Number   E253482     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³   ASTM D792     Meth Mass-Flow Rate (MFR) (190°C/2.16 kg)   30   g/10 min   ASTM D792     Meth Mass-Flow Rate (MFR) (190°C/2.16 kg)   30   g/10 min   ASTM D792     Methanical   Nominal Value   Unit   Test Method     Tensile Strength (Yield)   10.0   MPa   ASTM D638     Tensile Elongation (Break)   150   %   ASTM D638     Flexural Modulus   165   MPa   ASTM D790     Impact   Nominal Value   Unit   Test Method     Notchel Izod Impact   120   J/m   ASTM D790     Inpact   Nominal Value   Unit   Test Method     Iso mm, Green/White   120   J/m   ASTM D790     Iso mm, Green/White   V-2   UL 94   UL 94     1.50 mm, Green/White   V-2   UL 94   UL 94     Joo mm, Green/White <td< th=""><th>General Information</th><th></th><th></th><th></th></td<>	General Information				
High FlowUsesConsumer ApplicationsUL File NumberE253482PhysicalNominal ValueUnitSpecific Gravity0,70 org/cm³ orMelt Mass-Flow Rate (MFR) (190°C/2.16) (s)30g/10 minMethads-Flow Rate (MFR) (190°C/2.16) (s)30g/10 minMechanicalNominal ValueUnitMechanicalNominal ValueUnitTensile Strength (Vield)10.0MPa10.0MPaASTM D1238Flexural Modulus165MPaFlexural Modulus165MPaImpactNominal ValueUnitNominal ValueUnitTest MethodIngact120J/mASTM D638ImpactNominal ValueUnitNotched Izod Impact120J/mASTM D256Flarm Rating	Features	Good Chemical Resistance			
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LL File Number   E253482     Physical   Nominal Value   Unit   Test Method     Specific Gravity   0,970   g/cm <sup>3</sup> ASTM D792     Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)   30   g/10 min   ASTM D1238     Mechanical   Nominal Value   Unit   Test Method     Tensile Strength (Yield)   10.0   MPa   ASTM D638     Tensile Elongation (Break)   150   %1   ASTM D638     Flexural Modulus   165   MPa   ASTM D790     Impact   Nominal Value   Unit   Test Method     Notched Izod Impact   120   MPa   ASTM D790     Notched Izod Impact   120   J/m   ASTM D790     Flam Rating   V=2   Ison m, Green/White   U14   Test Method     1.50 mm, Green/White   V=2   U194   Ison m, Green/White   U194     Injection   Nominal Value   Unit   Ison m, Green/White   Ison m, Green/White     1.50 mm, Green/White   V=2   Ison m, Green/White   Ison Main Value   Ison m, Green/White   Ison Main Value     Injection   Nominal Value   Ison Main					
LL File Number   E253482     Physical   Nominal Value   Unit   Test Method     Specific Gravity   0,970   g/cm <sup>3</sup> ASTM D792     Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)   30   g/10 min   ASTM D1238     Mechanical   Nominal Value   Unit   Test Method     Tensile Strength (Yield)   10.0   MPa   ASTM D638     Tensile Elongation (Break)   150   %1   ASTM D638     Flexural Modulus   165   MPa   ASTM D790     Impact   Nominal Value   Unit   Test Method     Notched Izod Impact   120   MPa   ASTM D790     Notched Izod Impact   120   J/m   ASTM D790     Flam Rating   V=2   Ison m, Green/White   U14   Test Method     1.50 mm, Green/White   V=2   U194   Ison m, Green/White   U194     Injection   Nominal Value   Unit   Ison m, Green/White   Ison m, Green/White     1.50 mm, Green/White   V=2   Ison m, Green/White   Ison Main Value   Ison m, Green/White   Ison Main Value     Injection   Nominal Value   Ison Main					
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ImpactNominal ValueUnitTest MethodNotched Izod Impact120J/mASTM D256FlammabilityNominal ValueTest MethodFlame RatingV-2UL 941.50 mm, Green/WhiteV-2Somm, Green/White3.00 mm, Green/WhiteV-2Somm, Green/WhiteInjectionNominal ValueUnitProcessing (Melt) Temp160 to 180°C	Flexural Modulus	165	MPa	ASTM D790	
Notched Izod Impact     120     J/m     ASTM D256       Flammability     Nominal Value     Test Method       Flame Rating     V-2     UL 94       1.50 mm, Green/White     V-2     V-2       Injection     Nominal Value     Unit       Processing (Melt) Temp     160 to 180     °C	Flexural Strength	8.00	MPa	ASTM D790	
FlammabilityNominal ValueTest MethodFlame RatingUL 941.50 mm, Green/WhiteV-23.00 mm, Green/WhiteV-2InjectionNominal ValueInjectionNominal ValueProcessing (Melt) Temp160 to 180	Impact	Nominal Value	Unit	Test Method	
Flame Rating UL 94   1.50 mm, Green/White V-2   3.00 mm, Green/White V-2   Injection Nominal Value Unit   Processing (Melt) Temp 160 to 180 °C	Notched Izod Impact	120	J/m	ASTM D256	
1.50 mm, Green/WhiteV-23.00 mm, Green/WhiteV-2InjectionNominal ValueUnitProcessing (Melt) Temp160 to 180°C	Flammability	Nominal Value		Test Method	
3.00 mm, Green/WhiteV-2InjectionNominal ValueUnitProcessing (Melt) Temp160 to 180°C	Flame Rating			UL 94	
InjectionNominal ValueUnitProcessing (Melt) Temp160 to 180°C	1.50 mm, Green/White	V-2			
Processing (Melt) Temp 160 to 180 °C	3.00 mm, Green/White	V-2			
	Injection	Nominal Value	Unit		
Mold Temperature 30.0 to 60.0 °C	Processing (Melt) Temp	160 to 180	°C		
	Mold Temperature	30.0 to 60.0	°C		

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